Curriculum Vitae [January 2022]

Jean Jinsun Ryoo

EDUCATION

2007-2013 **University of California Los Angeles**
Graduate School of Education & Information Studies
Ph.D. in **Education, Urban Schooling**
Graduate Concentration in **Asian American Studies**
Dissertation Title: "Pedagogy Matters: Engaging Diverse Students as Community Researchers in Three Computer Science Classrooms"
Dissertation Committee: Ernest Morrell (co-chair), Peter McLaren (co-chair), Mike Rose, Kris Gutiérrez, Joanna Goode, Jane Margolis

2005-2007 **University of Hawai'i at Manoa**
M.Ed.T. (Master's of Education in Teaching)

2007 Hawaiian **Teaching License** in Secondary **English & Social Studies**

1998-2003 **Harvard University**
AB, ***Magna cum laude***, Visual and Environmental Studies (Studio Art)

HONORS AND AWARDS

2021 Jan Hawkins Early Career Award, American Educational Research Association

2020 Best of RESPECT Paper Award

2016 Presenter's Choice Award - 2016 NSF "STEM for All" Video Showcase

2012-2013 University of California All Campus Consortium on Research for Diversity (UC/ACCORD) Dissertation Fellowship

2011-2012 Haynes Foundation Doctoral Dissertation Fellowship

2010 UCLA George Kneller Prize for continuing graduate student

2009 UCLA Distinguished Teaching Assistant Award (chosen by faculty and students)

2008 Wei-Lim Lee Memorial Prize (outstanding paper on Chinese American history)

2008 UCLA Graduate Summer Research Mentorship Fellowship

2006 Aurora & Royal Fruehling Fellowship (University of Hawai'i)

2003 David McCord Prize (Harvard University; for significant contribution to the arts)

1999-2003 Elizabeth Cary Agassiz Scholarship (Harvard University; for academic excellence)

1999-2003 John Harvard Scholarship (Harvard University; for academic excellence)

FUNDING

2022-2024 "BPC-AE Collaborative Research: Researching Equity and Antiracist Learning in CS (REAL-CS)" (PI); National Science Foundation (CNS-2137956): $1.026M

2021-2023 "Community Engagement for Equitable Computer Science Education" (PI); Siegel Family Endowment: $450,000

2021-2022 "Understanding the CS Equity Impacts of LAUSD's K-8 Professional Development" (PI); Google: $90,000

2020-2023 "Centering Minoritized High School Students' Perspectives from Introductory Computer Science through 12th Grade and Beyond" (PI); National Science Foundation (CNS-2030935): $500,000

2019-2021 "Let's Hear It from the Students: Students' Identity, Agency, and Engagement in Introductory High School Computer Science Classrooms" (Co-PI); Google: $125,000

2018-2022 "Supporting Computing Access, Leadership, and Equity in California (SCALE-CA)" (Co-PI); National Science Foundation (CNS-1837780): $2M

2017-2022 "Research Equity, Access, & Learning in CS Education (REAL-CS): Scaling and Sustainability in High School Computer Science" (Co-PI); National Science Foundation (CNS-1743336): $1.875M

2017-2020 "Discovering What Drives Interest and Engagement of Underrepresented Students in CS: Learning from the Students Themselves" (Co-PI); Bill & Melinda Gates Foundation: $1.5M

PROFESSIONAL APPOINTMENTS – RESEARCH

2017-present **Director of Research, PI & Co-PI**
Computer Science Equity Project, UCLA Center X (http://csequityproject.org)
Funded by The National Science Foundation, Gates Foundation, Siegel Family Endowment, Google, etc.
Principal & Co-Principal Investigator of grants funding research-practice partnerships that: 1) amplify the experiences/voices of first-time computer science high school students who are underrepresented in the field; 2) support school leadership in implementing equity-oriented computing education; 3) build community engagement with equitable computing; 4) examine impacts of online PD on K-8 educators' understandings of equity and computing, etc.

2017-2019 **Associate Researcher**
The **MAKEval project**, **Indiana University School of Education** (Dr. Adam Maltese) (http://www.adammaltese.com/content/makeval/)
Funded by Google
Creating a set of tools for educators to assess learning in Making programs for youth.

2018 **Associate Researcher**
Digital Learning Challenge – Reclaiming Digital Futures, **University of California, Irvine** (Dr. June Ahn) (digitallearningpractices.org)
Funded by the Susan Crown Exchange
Developing practice briefs to share key findings with a wider audience

2016-2017 **Principal Investigator and Researcher**, the **Exploratorium**
The **Research + Practice Collaboratory** (http://researchandpractice.org)
Funded by the National Science Foundation and Overdeck Foundation

PROFESSIONAL APPOINTMENTS – RESEARCH (Continued)

Directed a research-practice partnership involving the Exploratorium (San Francisco), University of Washington (Seattle), and Lighthouse Community Charter School (Oakland) to understand how learning through afterschool Making activities can relate to valued STEM learning during the school day.

2014-2016 **Senior Researcher and Director**
The **California Tinkering Afterschool Network** (CTAN), the **Exploratorium**, San Francisco, CA (http://www.exploratorium.edu/ctan)
Funded by The SD Bechtel Jr. Foundation and The National Science Foundation
Directed a research-practice partnership involving the Exploratorium (San Francisco), Discovery Cube (Santa Ana), Techbridge (Oakland), and the Community Science Workshop (Fresno and Watsonville) that sought to design, implement, and study the expansion of STEM-rich tinkering in afterschool programs serving youth from economically marginalized communities.

2013-2014 **Postdoctoral Research Fellow** and **Computer Science Coach**
The Exploring Computer Science Project (www.exploringcs.org), **UCLA**
Funded by The National Science Foundation
Project focused on increasing equity & access to computer science learning for African American, Latino/a, and female public high school students; Collaboration with the Los Angeles Unified School District. Managed data analysis, writing, and professional development in partnership with UCLA, Los Angeles Unified School District, and the Computer Science Teachers Association.

2008-2013 **Graduate Student Researcher**
The Exploring Computer Science Project (www.exploringcs.org), **UCLA**
Funded by The National Science Foundation
Conducted data collection/analysis, supported professional development, designed curricula, coordinated field trips, and made films.

2010-2012 **Graduate Student Researcher**
The Mobilize Project (www.mobilizingcs.org), **UCLA**
Funded by The National Science Foundation
Project focused on improving STEM education through community research in which students collected and analyzed data using mobile technology. Developed curricula and lead professional development.

2008 **Graduate Student Researcher**
UCLA Graduate School of Education & Information Studies **8 Year Study**
Conducted a mixed-methods, internal review of the Graduate School's programs

2008 **Education Pioneers Fellow**
California Charter Schools Association
Evaluated the "Charter Launch" program that was designed to support charter school developers as they created charter school petitions

PROFESSIONAL APPOINTMENTS – TEACHING EXPERIENCE

University Teaching Experience

2018-19 Getty Museum + UCLA Graduate School of Education & Information Studies
Art Museum Teaching (Ed 187A, B, & C); Co-Instructor

2009.Fall UCLA Graduate School of Education & Information Studies
Language, Literacy, and Human Development (Ed 194A); Teaching Assistant

2009.Spring UCLA Graduate School of Education & Information Studies
Culture, Gender, and Human Development (Ed 194B); Teaching Assistant

2009.Spring UCLA Graduate School of Education & Information Studies
Urban Education (Ed 138); Teaching Assistant

2009.Winter UCLA Graduate School of Education & Information Studies
Qualitative Methods (Ed 222B); Teaching Assistant

2008.Fall UCLA Graduate School of Education & Information Studies
Language, Literacy, and Human Development (Ed 194A); Teaching Assistant

2007-2008 UCLA Graduate School of Education & Information Studies, Center X
University Field Supervisor, Teacher Education Program

Other Teaching Experience

2007 Pearl City High School (Pearl City, HI)
Social Studies Teacher (10th Grade World History; 11-12th Grade Sociology)

2005-2006 Moanalua Middle School (Honolulu, HI)
Social Studies Teacher (7-8th Grade) & English Teacher (7-8th Grade)

2005 View Park Preparatory Charter School (Los Angeles, CA)
Champions USA (now called ARC) – After School Art Teacher

2005 CLAS Elementary School (Los Angeles, CA)
Champions USA (now called ARC) – After School Art Teacher

2004 Roxbury Preparatory Charter School (Boston, MA)
Art Enrichment Teacher

2003-2004 École primaire publique Centre Les Avirons (La Réunion Island, Indian Ocean)
English Teacher (CM1)

2003-2004 École élémentaire publique Stella Matutina (La Réunion Island, Indian Ocean)
English Teacher (CM2)

2001-2003 Teen mentor; Mission Hill Program; Harvard University (Boston, MA)

1998-2000 After school teacher Fresh Pond Enrichment Program; Harvard University (Boston, MA)

PUBLICATIONS

Books

Ryoo, J.J. & Margolis, J. (in press, April 2022). *Power On!* [a graphic novel]. MIT Press. https://mitpress.mit.edu/books/power

Peer-Reviewed Articles

Ryoo, J.J., Morris, A., & Margolis, J. (2021). "What happens to the *Raspado* man in a cash-free society?": Teaching and Learning Socially Responsible Computing. *ACM Transactions on Computing Education, 21*(4). Special Issue on Justice-Centered Computing Education, DOI: 10.1145/3453653.

Lachney, M., **Ryoo, J.J.**, Santo, R. (2021). Introduction to the special section on justice-centered computing education, part 1. *ACM Transactions on Computing Education, 21*(4). Special Issue on Justice-Centered Computing Education, DOI: 10.1145/3477981.

Flapan, J., **Ryoo, J.J.**, Hadad, R., & Knudson, J. (2021). Preparing school leaders to advance equity in computer science education. *Journal of Computer Science Integration, 4*(1). DOI: 10.26716/jcsi.2021.10.8.33.

Ryoo, J.J., Tanksley, T., Estrada, C. & Margolis, J. (2020). Take space, make space: How students use computer science to disrupt and resist marginalization in schools. *Computer Science Education*, DOI: 10.1080/08993408.2020.1805284.

Goode, J., Ivey, A., RunningHawk Johnson, S., **Ryoo, J.J.,** and Ong, C. (2020). Rac(e)ing to computer science for all: How teachers talk and learn about equity in professional development. *Computer Science Education*. DOI: 10.1080/08993408.2020.1804772

Bevan, B., **Ryoo, J.J.**, Vanderwerff, A., Wilkinson, K., & Petrich, M. (2020). "I see students differently": Following the lead of maker educators in defining what counts as learning. *Frontiers in Education, 5*(121). DOI: 10.3389/feduc.2020.00121.

Ryoo, J.J. (2019). Pedagogy that Supports Computer Science for *All*. *ACM Transactions on Computing Education, 19*(4). DOI: 10.1145/3322210

Ryoo, J.J. & Kekelis, L. (2018). Reframing "failure" in Making: The value of play, social relationships, and ownership. *Journal of Youth Development, 13*(4), 49-67.

Ryoo, J.J. & Calabrese Barton, A. (2018). Equity in STEM-rich Making: Pedagogies and Designs: A special symposium of *Equity and Excellence in Education*. *Equity & Excellence in Education, 51*(1), 3-6.

Bevan, B., **Ryoo, J.J.**, Petrich, M., Wilkinson, K., Vanderwerff, A. (2018, July). Making Deeper Learners: A Tinkering Learning Dimensions Framework. *Connected Science Learning*. http://csl.nsta.org/2018/07/making-deeper-learners/.

Kekelis, L., **Ryoo, J.J.**, & McLeod, E. (2017). Making and mentors: What it takes to make both better together. *After School Matters, 26*, 8-17.

Peer-Reviewed Articles (Continued)

Margolis, J., Goode, J., & **Ryoo, J.J.** (2017). Seeing Myself Through Someone Else's Eyes: The Value of In-Classroom Coaching for Computer Science Teaching and Learning. *ACM Transactions on Computing Education*, *17*(2).

Bevan, B., **Ryoo, J.J.**, Shea, M. (2017). What if? Building creative cultures for STEM Making and learning. *After School Matters, 25*, 1-8.

Ryoo, J.J. & Kekelis, L. (2016). STEM-rich and equitable making: Lessons from a museum-based research-practice partnership. *ASTC Dimensions*, 45-51.

Ryoo, J.J., Goode, J., & Margolis, J. (2016). It takes a village: Supporting inquiry- and equity-oriented computer science pedagogy through a professional learning community. *Computer Science Education, 25*(4), 351-370.

Margolis, J., Goode, J., **Ryoo, J.J.** (2014). Democratizing Computer Science. *Educational Leadership, 72*(4), 48-53.

Margolis, J., Goode, J., Chapman, G., & **Ryoo, J.J.** (2014). Broadening participation: That classroom 'magic.' *Communications of the ACM, 57*(7), 1-3.

Ryoo, J.J. (2013). Book Review: The Digital Youth Network: Cultivating new media citizenship in urban communities" *Urban Education 48*(5), 759-764.

Ryoo, J.J., Margolis, J., Lee, C., Moreno, C., & Goode, J. (Jan., 2013). Democratizing computer science knowledge: Transforming the face of computer science through public high school education. *Learning, Media, and Technology, 38*(2), 161-181. http://dx.doi.org/10.1080/17439884.2013.756514

Margolis, J., **Ryoo, J.J.**, Moreno, C., Lee, C., Goode, J., & Chapman, G. (Dec., 2012). "Beyond Access: Broadening Participation in High School Computer Science." *ACM Inroads, 3*(4).

Ryoo, J.J. (2010). Education and the alternative Asian American press : A close look at Asian Americans and Pacific Islanders in education through *Gidra*. *AAPI Nexus, 7*(1), 105-130.

Ryoo, J.J. & McLaren, P. (2010). Revolucionando a educação multicultural. *Revista da FAEEBA – Educa*ção e *Contemporaneidade, Salvador, 19*(34), 207-225.

Smith, M., **Ryoo, J.J.**, & McLaren, P. (2009). A revolutionary critical pedagogy manifesto for the twenty-first century. In Zajda, J. (Ed.), *Education and Society, 27*(3), 59-76.

Ryoo, J.J. & McLaren, P. (Aug 2009). Assessment in American schools. *Pátio - Ensino Médio, 1*(2), 29-31.

Ryoo, J.J., Crawford, J., Moreno, D., & McLaren, P. (2009). Critical spiritual pedagogy: Reclaiming humanity through a pedagogy of integrity, community, and love. *Power and Education*, *1*(1), 132-146.

Peer-Reviewed Articles (Continued)

Ryoo, J.J. (2009). Review: The art of critical pedagogy by Jeffrey M.R. Duncan-Andrade and Ernest Morrell. *Interactions*, *5*(1).

Book Chapters & Online Publications

Hadad, R., **Ryoo, J.J.**, Flapan, J., & Kong, S. (2021). Defining and delivering equity: How one RPP develops a definition and puts it into practice. In CSforAll & Sagefox Consulting Group (Eds.), *The intersection of RPPs and BPC in CS education: A culmination of papers from the RPPforCS Community [White Paper]*. DOI: 10.13140/RG.2.2.28768.61440.

Ryoo, J.J. (2021). The importance of a computer science education. *Issues in Science and Technology*, *37*(3). https://issues.org/high-school-computer-science-classes-forum/.

Sexton, S., **Ryoo, J.J.**, Garbrecht, L., & Fall, R. (2020). Dimensions of equity in RPPs – A framework to guide discussions. *NNERPP Extra, 2*(3), pp. 12-18. http://nnerppextra.rice.edu/dimensions-of-equity-in-rpps-a-framework/.

Wardrip, P. & **Ryoo, J.J.** (2020). The role of educational technology in informal learning environments: Making and tinkering. In M.J. Bishop, J. Elen, E. Boling, V. Svihla (Eds.), *Handbook of Research on Educational Communications and Technology*, (5th Edition). New York: Springer.

Ryoo, J.J. (2019). "Laughter is the best medicine": Pedagogies of humor and joy that support critical thinking and communicative competence. In E. Manolo (Ed.), *Deeper learning, dialogic learning, and critical thinking: Research-based strategies the classroom* (pp. 177-192). New York: Routledge.

Ryoo, J.J. (2019). Sandboxes, studios, and ladders: Comparative program structures in out-of-school digital learning organizations. *Reclaiming Digital Futures*. Susan Crown Exchange and the University of California, Irvine. Retrieved from: https://digitallearningpractices.org/resource/sandboxes-studios-and-ladders-comparative-program-structures-in-out-of-school-digital-learning-organizations/.

Ryoo, J.J. (2019). The space for creativity. *Reclaiming Digital Futures*. Susan Crown Exchange and the University of California, Irvine. Retrieved from: https://digitallearningpractices.org/resource/the-space-for-creativity/.

Ryoo, J.J. (2019). Not just a flyer: Rethinking youth recruitment into out-of-school making, media, and computing programs. *Reclaiming Digital Futures*. Susan Crown Exchange and the University of California, Irvine. Retrieved from: https://digitallearningpractices.org/resource/not-just-a-flyer-rethinking-youth-recruitment-into-out-of-school-making-media-and-computing-programs/.

Ryoo, J.J. (2019). Peer-to-peer professional learning around informal digital learning. *Reclaiming Digital Futures*. Susan Crown Exchange and the University of California, Irvine. Retrieved from: https://digitallearningpractices.org/resource/peer-to-peer-professional-learning-around-informal-digital-learning/.

Book Chapters & Online Publications (Continued)

Goode, J. & **Ryoo, J.J.** (2019). Teacher knowledge for inclusive computing learning. In S. Fincher & A. Robbins (Eds.), *The Cambridge Handbook of Computing Education Research*. Cambridge: Cambridge University Press.

Bevan, B. & **Ryoo, J.J.** (2016). How can Making promote equity and excitement in STEM? *STEM Teaching Tool,* Practice Brief 40. http://stemteachingtools.org/brief/40.

Ryoo, J. J., Kali, L., & Bevan, B. (2016). Equity-Oriented Pedagogical Strategies and Student Learning in After School Making. In *Proceedings of the 6th Annual Conference on Creativity and Fabrication in Education* (pp. 49-57). New York, NY: ACM.

Kekelis, L. & **Ryoo, J.J.** (June 16, 2016). It's National Making Week: How to support youth in every community. *Corwin Connect*. http://corwin-connect.com/2016/06/national-making-week-support-youth-every-community/

Kali, L. & **Ryoo, J.J.** (June 14, 2016). Fieldnotes as a Reflection Tool. *The Tinkering Studio Sketchpad. http://tinkering.exploratorium.edu/2016/06/14/fieldnotes-reflection-tool*

Kali, L. & **Ryoo, J.J.** (April 13, 2016). Research + Practice. *The Tinkering Studio Sketchpad*. http://tinkering.exploratorium.edu/2016/04/13/research-practice

Bevan, B., **Ryoo, J.J.**, Shea, M., Kekelis, L., Pooler, P., Green, E., Bulalacao, N., McLeod, E., Sandoval, J., & Hernandez, M. (2016). *Making as a Strategy for Afterschool STEM Learning: Report from the California Tinkering Afterschool Network Research-Practice Partnership*. San Francisco, CA: The Exploratorium. http://researchandpractice.org/resource/stem-making-in-afterschool/

Ryoo, J.J. (2016). California Tinkering Afterschool Network Program Profile. *Afterschool Alliance*. http://afterschoolalliance.org/STEMprofiles.cfm?idPage=5CB0F1E4-BB94-4572-A9074BCAB2D17E80&CNT_ID=STRY90006427

Ryoo, J.J., Choi, M., McLeod, E., Escudé, M. (2016). Facilitating Iterations and Drafts in Tinkering: Professional development workshop guide. http://www.exploratorium.edu/sites/default/files/pdfs/20160523%20IterationsDrafts.pdf

Ryoo, J.J. & Shea, M.V. (2015). Value Mapping: An activity for surfacing power dynamics and diverse perspectives in research-practice collaborations. San Francisco: Research+Practice Collaboratory. http://researchandpractice.org/resource/value-mapping/

Ryoo, J.J., Choi, M., & McLeod, E. (2015). Building equity in research-practice partnerships. San Francisco: Research+Practice Collaboratory. http://researchandpractice.org/resource/building-equity/

Bevan, B., **Ryoo, J.J.**, Forrest, J., & Penuel, W.R. (2015). Enriching and expanding the possibilities: Research-practice partnerships in informal science education. San Francisco: Research+Practice Collaboratory. http://informalscience.org/research/ic-000-000-011-046/Enriching_and_Expanding_the_Possibilities

Book Chapters & Online Publications (Continued)

Kekelis, L. & **Ryoo, J.J.** (April 22, 2015). The other F word: Making sense of failure and nurturing resilience. *Corwin Connect*, http://corwin-connect.com/2015/04/the-other-f-word-making-sense-of-failure-and-nurturing-resilience/

Bevan, B., **Ryoo, J.J.**, & Shea, M. (2015). *Equity in out-of-school STEM learning: Professional development needs and strategies*. Inquiry Group Report. San Francisco: Exploratorium.

Ryoo, J. J. (2015). Identifying how people learn across space, time, and contexts: An ISE research brief discussing Kumpulainen & Sefton-Green, "What is connected learning and how to research it?" Retrieved from http://relatingresearchtopractice.org/article/379

Ryoo, J.J. (2015). Identifying and understanding learner interest and identity across settings: An ISE research brief discussing Barron and Bell, " Learning environments in and out of school: Catalysts for learning within and across settings." Retrieved from http://relatingresearchtopractice.org/article/400

Ryoo, J. J. (2015). Bridging formal and informal learning environments to improve science education for all: An ISE research brief discussing Stocklmayer, Rennie, & Gilbert, "The roles of the formal and informal sectors in the provision of effective science education." Retrieved from http://relatingresearchtopractice.org/article/394

Ryoo, J. J. (2015). Connecting formal and informal science learning through school-community partnerships: An ISE research brief discussing Bouillion & Gomez, "Connecting school and community with science learning: Real world problems and school-community partnerships as contextual scaffolds." Retrieved from http://relatingresearchtopractice.org/article/380

Ryoo, J.J. (2015). Learning across settings: A Connected Collection of research briefs and discussion prompts. Research+Practice Collaboratory. Retrieved from http://www.exploratorium.edu/education/california-tinkering-afterschool-network-learning-across-settings-resource-collection

Ryoo, J.J. (2015). A method for developing, testing, and scaling programs in research-practice partnerships: An ISE research brief discussing Penuel et al., "Organizing research and development at the intersection of learning, implementation, and design." Retrieved from http://relatingresearchtopractice.org/article/374

Ryoo, J.J. (2014). Understanding how learners succeed and struggle across time, space, and social groups: An ISE research brief discussing Bell et al., "Learning in diversities of structures of social practice: Accounting for how, why and where people learn science." Retrieved from http://relatingresearchtopractice.org/article/375

Ryoo, J.J. (2014). Conjecture mapping: A design-based research tool for improving educational program design: An ISE research brief discussing Sandoval, "Conjecture mapping: An approach to systematic educational design research." Retrieved from http://relatingresearchtopractice.org/article/347

Book Chapters & Online Publications (Continued)

Ryoo, J.J., Margolis, J., Goode, J., Lee, C., Moreno Sandoval, C.D. (2014). *ECS Teacher Practices Research Findings—In Brief.* Los Angeles, CA: Exploring Computer Science Project, University of California, Los Angeles Center X with University of Oregon, Eugene. Retrieved [May 23, 2014], from http://www.exploringcs.org/ecs-teacher-practices-research.

Ryoo, J.J. & Ho, R. (2013). Living the legacy of '68: The perspectives and experiences of Asian American student activists. In S.D. Museus,, D.C. Maramba, & R.T. Teranishi (Eds.), *The misrepresented minority: New insights on Asian Americans and Pacific Islanders, and their implications for higher education* (pp. 213-226). Sterling, VA: Stylus Publishing.

McLaren, P., Jaramillo, N., & **Ryoo, J.J.** (2012). Sociology of education. In D.L. Brunsma, B. Gran, & K.E.I Smith (Eds.), *Handbook of sociology and human rights*. Boulder, CO: Paradigm Publishers.

Ryoo, J.J. (2011). Case commentary: Hit hard! In G.L. Porter & D. Smith (Eds.), *Exploring inclusive educational practices through professional inquiry.* (pp. 165-172). Rotterdam/Boston/Taipei: Sense Publishers.

Ryoo, J.J. & McLaren, P. (2011). Case commentary: Bridging the gap. In G.L. Porter & D. Smith (Eds.), *Exploring inclusive educational practices through professional inquiry.* (pp. 142-148). Rotterdam/Boston/Taipei: Sense Publishers.

Ryoo, J.J. & McLaren, P. (2010). Shaka for sale: A class analysis of Hawai'i. In D. Chapman (Ed.), *Examining Social Theory* (pp. 3-17). New York: Peter Lang.

Ryoo, J.J. & McLaren, P. (2010). Seeking democracy in American schools: Countering epistemic violence through revolutionary critical pedagogy. In R. Hoosain & F. Salili (Eds.), *Democracy and Multicultural Education* (pp. 99-130). Charlotte, NC: Information Age Publishing.

McLaren, P., Moreno, D., and **Ryoo, JJ** (2009). Case commentary: Words of destruction. In D. Smith & P. Goldblatt (Eds.), *Exploring leadership and ethical practice through professional inquiry* (pp. 32-35). Ontario: Laval University Press.

Encyclopedia Definitions

Ryoo, J.J. & Crawford, Jenifer. (in press). Critical theory in qualitative research in education. In: R. Tierney, F. Rizvi, K. Ercikan and G. Smith (Eds.), *International Encyclopedia of Education* (4th edition). Oxford: Elsevier.

McLaren, P. & **Ryoo, J.J.** (2012). Critical theory and multicultural education. In: J.A. Banks (Ed.), *Encyclopedia of Diversity in Education* (pp. 495-500). Thousand Oaks, CA: Sage Reference.

Ryoo, J.J. & McLaren (2010). Multiculturalism. Definition for the *Dicionário sobre Trabalho, Profissão e Condição DocenteI.* Belo Horizonte, Brazil: Federal University of Minas Gerais School of Education Research Group on Educational Policy and Teachers' Work & the Secretary of Basic Education of the Ministry of Education and Culture of Brazil.

Encyclopedia Definitions (Continued)

Ryoo, J.J. & McLaren P. (2010). Critical theory. In: P. Peterson, E. Baker, & B. McGaw (Eds.), *International Encyclopedia of Education* (Vol. 6), (pp. 348-353). Oxford: Elsevier.

Ryoo, J.J., Moreno, D., Crawford, J. & McLaren, P. (May 2010). Paulo Freire. Definition for *Encyclopedia of Political Theory.* SAGE Reference Project. (Winner of "Outstanding Reference Source" award at the American Library Association midwinter meeting)

Ryoo, J.J., Crawford, J., Moreno, D., & McLaren, P. (April 2010). Critical praxis. Definition for *Encyclopedia of Curriculum Studies*. SAGE Reference Project.

CONFERENCE PRESENTATIONS & PAPERS

Hadad, R., **Ryoo, J.J.**, Flapan, J., Kong, S. (2021, Oct. 20). Defining and delivering "equity" in an RPP. CS for All Summit (Virtual).

Ladner, R., **Ryoo, J.J.**, Payton, J., Fletcher, C., & Bradshaw, E. (2021, Oct. 16). Personal Journeys and Promising Practices for Broadening Participation in Computing. CSTA New England Fall Conference (Virtual).

Ryoo, J.J., Margolis, J., & Scott, A. (2021, July 19). Panelists for "Bringing Politics and Power into Computing Education." Connected Learning Summit (Virtual).

Dunton, S., Ladner, R., Payton, J., & **Ryoo, J.J.** (2021, June 22). Featured Panel: Resources for Broadening Participation in Computing. Constellations Professional Development Summit: CS for Social Good (Virtual).

Ryoo, J.J., Margolis, J., & Scott, A. (2021, May 25). Begin again: Why CS Education must be reimagined. Lightning Talk. RESPECT Conference (Virtual).

Jacob, S.R., Vogel, S., Pozos, R., Ordóñez, P., & **Ryoo, J.J.** (2021, May 27). Leveraging multilingual students' resources for equitable computer science instruction. Panel Session. Discussant. RESPECT Conference (Virtual).

Ryoo, J.J., Margolis, J., & Morris, A. (2021, April 12). Student Agency in Computer Science: Teaching and Learning Socially Responsible Computing in High School Classrooms. Paper presentation. AERA Conference (Virtual).

Ryoo, J.J., Santo, R., Vogel, S., Denner, J., McAlear, F., Flapan, J., Hadad, R., Margolis, J., Roy, J., Bundle, S., Woods, N., Cohen, B., & Hollis, S. (2021, April 12). Who Has a "Seat at the Table"? Equity in Decision-Making about Computer Science Education. Panel Session. AERA Conference (Virtual).

Ryoo, J.J., Flapan, J., Hadad, R., Margolis, J., Amalong J., Aranguren, L., Campos, E., Knudson, J., Lee, M. & Zuchowicz, M. (2021, March 16). Learning with Leadership: Perspectives from a Statewide Research-Practice Partnership Focused on Equity-Oriented Computing Professional Development for K-12 Administrators. SIGCSE Conference (Virtual).

Ryoo, J.J. (2020, November 12). Invited panel session. Code.org Policy Summit.

CONFERENCE PRESENTATIONS (Continued)

Ryoo, J.J., Estrada, C., Natalia, Stellaluna, Stephanie, Lana (only student first names have been provided to protect their privacy). (2020, July). Student Panel. *Computer Science Teachers Association Conference*, online. 3000+ attendees.

Ryoo, J.J., Baynes, H., Natalia, Cesar, Autumn (only student first names have been provided to protect their privacy). (2020, June). Student impact showcase. Summer of CS, online teacher professional development week for California, 500+ teacher attendees.

Ryoo, J.J. & Tsui, K. (2020, March). What makes a "computer science person"? Minoritized students' sense of identity in APCSP classrooms. RESPECT Conference, Portland, OR.

Flapan, J., **Ryoo, J.J.**, & Hadad, R. (2020, March). Building systemic capacity to scale and sustain equity in computer science: A comprehensive model of professional learning for teachers, counselors, and administrators. RESPECT Conference, Portland, OR.

Sullivan, F., Denner, J., **Ryoo, J.J.**, &Veeragoudar, S. (2020, March). Problems of Practice: Keeping the focus on equity in your RPP. RPPforCS Pre-RESPECT Workshop, virtual.

Ryoo, J.J. & Morris, A. with Santo, R., Vogel, S., Denner, J., Belgrave, C. (2020). Who has a seat at the table in CSed? Rethinking equity through the lens of decision-making and power in computer science education initiatives. SIGCSE Conference, Portland, OR. [This conference was canceled due to COVID-19, but the presentation is available online]

Gopar N., Haley, K., Hernandez, R., Orellana R., Tirado, A., Ware, B., Morris, A. & **Ryoo, J.J.** (2020). *Engagement, identity, and agency in computer science: Listening to the students themselves*. SIGCSE Conference, Portland, OR. [This conference was canceled due to COVID-19, but the presentation is available online at: https://youtu.be/BNet950-8d8]

Ryoo, J.J., Estrada, C., Tanksley, T., Margolis, J., Foseca, A., Tirado, A., Ware, B. (2020). Computing at the intersections: How race, gender, and culture reshape and redefine CS identity for minoritized students. Poster session, AERA. [This poster was accepted, however this conference was canceled due to COVID-19]

Estrada, C., Tanksley, T., & **Ryoo, J.J.** (2020). Equitable for whom? How race, power, and positionality inform research-practice partnerships. AERA. [This paper was accepted, however the conference was canceled due to COVID-19]

Parker, J., **Ryoo, J.J.**, Dixon, C.G., & Chang, S. (2019, Oct). *Struggle, frustration, and equity in making and connected learning: Key perspectives and strategies*. Connected Learning Summit, Irvine, CA.

Ryoo, J.J., Margolis, J., Estrada, C., & Tanksley, T. (2019, Oct). *Insisting to be heard: Agency and identity in high school computer science classrooms*. Poster presented at the Connected Learning Summit, Irvine, CA.

CONFERENCE PRESENTATIONS (Continued)

Ryoo, J.J. (2019, April). *Digital equity and computer science for all: Research addressing the normative, political, technical, and pedagogical dimensions of school reform*. **Invited speaker session**, American Educational Research Association (AERA) Conference, Toronto, Canada.

Ryoo, J.J., & Kekelis, L. (2019, April). *The role of sociocultural interactions on persistence through failure in making contexts*. Poster session chair and presenter, AERA, Toronto, Canada.

Ryoo, J.J. (2019, April). *CS for All: An intersectional approach to unpacking equity in computer science education*. Poster session chair and presenter, AERA, Toronto, Canada.

Ryoo, J.J. (2019, April). *Agency; MakEval: Mixed methods approaches to evaluating making in schools. Panel presentation*, AERA, Toronto, Canada.

Ryoo, J.J. (2019, April). *Pedagogies of joy :) Joy as resistance at the intersection of STEM learning pathways. Poster presenter*, AERA, Toronto, Canada.

Ryoo, J.J., Estrada, C., Tanksley, T., Margolis, J., Mendoza, S., & Guest-Johnson, D. (2019, Feb). *Student Voices: Equity, identity, and agency in CS classrooms*. Poster presented at the Research on Equity and Sustained Participation in Engineering, Computing, & Technology (RESPECT) Conference, Minneapolis, MN.

Madkins, T., McAlear, F., **Ryoo, J.J.**, Scott, A., Martin, A., Goode, J., Scott, K. (2019, Feb). *Culturally Relevant Computer Science Pedagogy: From Theory to Practice*. Panel presentation at the RESPECT Conference, Minneapolis, MN.

Ryoo, J.J., Chapman, G., Flapan, J., Goode, J., Margolis, J., Ong, C., Estrada, C., Skorodinsky, M., & Tanksley, T. (2019, March). *Going Beyond the Platitudes of Equity: Developing a shared vision for equity in computer science education*. Panel Chair and Panelist for 50th Anniversary Session for the Special Interest Group in Computer Science Education (SIGCSE) Conference, Minneapolis, MN.

Ryoo, J.J., Bevan, B., & Vanderwerff, A. (2018, April). *Not "Babysitters": Building on Afterschool Educators' Funds of Knowledge to Define Learning through Making.* Poster presentation, AERA, New York, NY.

Maltese, A.V., Simpson, A., **Ryoo, J.J.**, Qian, M., Anderson, A., Barnes, J., & Brahms, L. (2018, April). *MakEval: Developing a Set of Tools to Evaluate the Benefits of Making.* Poster presentation, AERA, New York, NY.

Ryoo, J.J., & Kali, L. (2017, April). *Making Spaces for Youth from Non-Dominant Communities: New Approaches for Supporting Equitable and Consequential Experiences*. Co-chair and poster presentation, AERA, San Antonio, TX.

Bevan, B. & **Ryoo, J.J.** (2017, April). *Fostering Networks and Collectives in the Out of School Sector: Achieving Equity, Innovation and Learning Ecosystems through Large-Scale Collaborations*. Poster presentation, AERA, San Antonio, TX.

CONFERENCE PRESENTATIONS (Continued)

Goode, J. & **Ryoo, J.J.** (2017, April). *Culturally Relevant Computer Science Education: From Theory to Practice*. Paper panel, AERA, San Antonio, TX.

Ryoo, J.J. & Bevan, B. (2017, April). *Suspension Bridges: CH/AT as a Tool for Understanding Productive Tensions Across STEM Learning Communities*. Paper panel, AERA, San Antonio, TX.

Ryoo, J.J., Kali, L., Bevan, B. (2016, September). *Equity-Oriented Pedagogical Strategies and Student Learning in After School Making.* Paper panel, FabLearn Conference, Stanford, CA.

Penuel, B. & **Ryoo, J.J.** (2016, April). *Strategies for promoting and studying equity in design-oriented research-practice partnerships.* Session co-chair, AERA, Washington, D.C.

Ryoo, J.J., Shea, M., Bulalacao, N., Green, E., McLeod, E., Pooler, P., Sandoval, J., & Evans, B. (2016, April). *Value-Mapping: Unmasking Assumptions in Co-Design Research*. Poster presentation, AERA, Washington, D.C.

Shea, M., **Ryoo, J.J.,** Sandoval, J., & Kekelis, L. (2016, April). *Iteration as a pedagogical touchstone in expansive learning environments*. Paper panel, AERA, Washington, D.C.

Ryoo, J.J., Bulalacao, N., Kekelis, L., McLeod, E., Henriquez, B. (2015, September). *Tinkering with "failure": Equity, learning, and the iterative design process*. Paper panel, FabLearn Conference, Stanford, CA.

Shea, M., Escudé, M., Henriquez, B., McLeod, E., Pooler, P., **Ryoo, J.J.**, & Sandoval, J. (2015, September). *Making and Tinkering Towards Transformative Pedagogies and Learning Environments*. Workshop presentation at FabLearn, Palo Alto, CA.

Ryoo, J.J. (2015, April). *Examining student learning in a mobile phone-based, community research, computer science curriculum*. Paper presentation, AERA, Chicago, IL.

Ryoo, J.J., Shea, M., Vossoughi, S., Bevan, B., Bulalacao, N., Cortez, V., Escudé, M., Felten, M., Green, E., Gutierrez, E., Guan, S.P., Henriquez, B., Hernandez, M., Kekelis, L., McLeod, E., Pooler, P., Sandoval, J., Shaw, M., & Shields, K. (2015, April). *Equity-oriented pedagogy for STEM-rich tinkering*. Poster presentation, AERA, Chicago, IL.

Ryoo, J.J. (2013, November). *Pedagogy Matters: Engaging Diverse Learners in Community Research in Three Computer Science Classrooms*. UC/ACCORD Conference, Lake Arrowhead, CA.

Ryoo, J.J. (2013, May). *'I Don't Need to Rely on CNN!' Learning Through a Mobile Phone-Based, Community Research Curriculum*. Paper panel, AERA, San Francisco, CA.

Ryoo, J.J. (2013, April). *Engaging Students' Community Knowledge to Learn Computer Science Through a Mobile Phone-Based Curriculum*. Paper panel, AERA, San Francisco, CA.

CONFERENCE PRESENTATIONS (Continued)

Ryoo, J.J., Lee, C., Moreno, C.D., & Garcia, A. (2013, March). *Starting with the Digital Self: Youth Civic Engagement in the 21st Century*. Paper presented at the Digital Media & Learning (DML) Conference, Chicago, IL.

Ryoo, J.J., Margolis, J., Landa, J., Harper, EZ$, (2012, March). *Why and How We Work INSIDE Schools: The Exploring Computer Science project*. Paper presented at DML, San Francisco.

Lee, C., Moreno, C.D., **Ryoo, J.J.**, Pacheco, V. (2012, March). *Democratizing Computer Science through Culturally Relevant Pedagogy.* Paper presented at DML, San Francisco, CA.

Ryoo, J.J. (2011, April). *Algorithms Vs. the 'N-Word': The Advantages and Disadvantages of Writing High School Curricula That Engage Youth Participatory Action Research Under Corporate Funding.* Paper panel, AERA, New Orleans, LA.

Ryoo, J.J. (2011, April). *Exploring Computer Science & Mobilize Projects*. Poster and information presented at the annual meeting of the Richard Tapia Celebration of Diversity in Computing, San Francisco, CA.

Ryoo, J.J. & Trusela, L. (2011, January). *Mobilize: Mobilizing for Innovative Computer Science Teaching and Learning*. Poster presented at the National Science Foundation Math and Science Partnership Meeting, Washington, DC.

Ryoo, J.J. (2010, May). *Listening to the Voices of the Alternative Asian American Press: Transforming Education Today through Gidra of the 1960s-70s.* Paper panel, AERA, Denver, CO.

Ryoo, J.J. & Ho, R. (2009, April). *40 Years Later: UCLA API Student Activists in 2008.* Paper presented at the annual meeting of the Association of Asian American Studies Conference, Honolulu, HI.

Ho, R. & **Ryoo, J.J.** (2009, April). *Still on Strike?: Contemporary Asian American Student Activists*. Paper panel, AERA, San Diego, CA.

Ryoo, J.J., Moreno, D., & Crawford, J. (2009, April). *Supporting Students' Spiritual Development for Academic Success*. Paper panel, AERA, San Diego, CA.

Ryoo, J.J. & Ventura, B. (2009, April). *Continuation Schools Today: A Study of Principal Perspectives.* Paper panel, AERA, San Diego, CA.

Ho, R. & **Ryoo, J.J.** (2008, October). *Still on Strike: the Experiences of API Undergraduate Student Activists at UCLA*. Paper presented at the 40th Anniversary of the SF State College Strike Conference, San Francisco, CA.

Crawford, J., Moreno, D., & **Ryoo, J.J.** (2008, October). *Critical Spiritual Pedagogy.* Paper presented at the 40th Anniversary of the SF State College Strike Conference, San Francisco.

INVITED TALKS

Ryoo, J.J. (2021, Nov. 18). Invited speaker. El Máster/Doctorado Interuniversiatario de Psicología de la Educación (MIPE/DIPE) de Universitat de Barcelona, Universitat Autònoma de Barcelona, Universitat de Girona, y Universitat Roman Llull. Girona, Spain. Workshop.

Ryoo, J.J. (2021, Nov. 2). Invited speaker. Education 8730 Advanced Qualitative Analysis: Purposes and Methods of Design Research. Professor William Penuel. University of Colorado, Boulder.

Ryoo, J.J. (2021, July 30). Invited speaker. UCLA STEM+C3 Teacher Education Prog. Kick-Off.

Ryoo, J.J. (2021, July 29-30). Invited speaker. IDRA's EAC-South Virtual Convening.

Ryoo, J.J. (2021, July 24). Invited panelist. Researcher Roundtable. Kapor Center.

Ryoo, J.J. (2021, July 20). Invited speaker. Aspen Forum for the Future of Higher Education in collaboration with Stanford University.

Ryoo, J.J. (2021, July 16). Invited closing keynote. Computer Science Teachers Association Conference.

Ryoo, J.J. (2021, July 5). Invited speaker. "Making Meaningful Connections with Jean Ryoo." CSK8 Podcast with Jared O'Leary. https://jaredoleary.com/csk8feed/90.

Ryoo, J.J. (2021, June 16). Invited panelist. Webinar on Engaging Educators in Cultivating Interest and Competencies in Computing. National Academy of Sciences.

Ryoo, J.J. (2021, June 8). Invited speaker. Dinner w/ RAI-YX (III): Abolitionist Pedagogy in the CS Classroom. The YX Foundation & The Radical AI Podcast (Harvard University).

Ryoo, J.J. (2021, May 8). Invited speaker. Culturally Responsive Computing. University of California, Berkeley; California Computer Science Project: Administrator Program.

Ryoo, J.J. (2021, April 30). Invited speaker. CSTA Equity Fellows Convening.

Ryoo, J.J. (2021, March 25). Invited keynote. CS Equity Summit. Delaware Computer Science Teachers Association.

Ryoo, J.J. (2021, March). Invited speaker. Makerspaces and Computational Thinking in the Time of COVID. With Breanne Litts and Rebecca Grabman. Utah STEM Action Center.

Ryoo, J.J. (2021, February 24). Invited speaker. Equity-Oriented Computer Science Teaching. Marquette University.

Ryoo, J.J. (2021, February 9). Invited speaker. Culturally Responsive Computing. San Francisco Unified School District.

Ryoo, J.J. (2020, November 19). Invited speaker. Code.org. Culturally Responsive Computing.

INVITED TALKS (Continued)

Ryoo, J.J. (2020, October 26). Invited speaker. California Computer Science Project. Culturally Responsive Computing Seminar for Oakland Unified School District teachers.

Ryoo, J.J. (2020, September). Invited speaker. Constellation Center for Equity in Computing at Georgia Tech, VOICES - Voices of Innovative Compassionate Experts in Society Podcast. https://www.youtube.com/watch?v=w09Dm8qz2so.

Ryoo, J.J. (2020, August 27). Invited speaker. CS for All Commitments Webinar.

Ryoo, J.J. (2020, August). Invited speaker. "Equity and creativity in computer science." CDE Foundation *Lunch Bites* podcast. https://anchor.fm/steam-symposium/episodes/Equity--Creativity-in-Computer-Science-ehc64g.

Ryoo, J.J. (2020, June 20). Invited keynote. Inclusive STEM+CS Summit.

Ryoo, J.J. (2020, April 18). Invited speaker. Computer Science Teachers Association Equity Fellows Convening.

Ryoo, J.J. (2020, February 11). Invited panelist. Los Angeles Unified School District Board of Education Curriculum and Instruction Committee Meeting. Presenting with the Instructional Technology Initiative and partner schools.

Ryoo, J.J. & Morris, A. (2019, December 12). Invited speaker: ITI Task Force Meeting.

Ryoo, J.J. (2019, November 4). Invited panelist: "Authentic STEM learning for computing/technology." National Academies of Sciences, Engineering, and Medicine. Washington, D.C.

Ryoo, J.J. & Morris, A. (2019, September 27). "Student voices: Prioritizing students' perspectives in RPPs." PI Meeting, National Science Foundation, Washington, D.C.

Ryoo, J.J. & Morris, A. (2018, October 25). Invited speaker: "Stories from our Los Angeles Research-Practice Partnership." CS for All RPP Development Workshop, National Science Foundation, Seattle, WA.

Ryoo, J.J. (2018, October 15). Invited speaker: "Defining STEM Identity." SoCal Informal Science Education Symposium, Los Angeles, CA.

Ryoo, J.J., Margolis, J., & Flapan, J. (2018, October 4). Invited speaker: "Equity in Computer Science Education." Los Angeles Unified School District, Instructional Technology Initiative Task Force Meeting, Los Angeles, CA.

Ryoo, J.J. (2018, March 12). Invited speaker: "Understanding Student Learning," Flash Talk for National Science Foundation CISE PI Meeting, Alexandria, VA.

Ryoo, J.J. (2018, February 15). Invited panelist in a Communicating Science Seminar: "I'm Not a Science Person: Challenging Stereotypes About Who Excels in STEM," American Association for the Advancement of Science (AAAS) Conference, Austin, TX.

INVITED TALKS (Continued)

Ryoo, J.J. (2018, January 5). Invited speaker: "Learning in RPPs." National Science Foundation Research-Practice Partnership Workshop, CS for All, Los Angeles, CA.

Ryoo, J.J. (2017, July 11). Invited speaker for workshop: "Research-practice partnerships in informal STEM education." National Science Foundation, Center for Advancement of Informal Science Education, & the American Association for the Advancement of Science, Washington, D.C.

Ryoo, J.J. (2017, June 26). Invited speaker for workshop: "What you do really matters! Pedagogical strategies for supporting underrepresented youth in CS Education." 9 Dots. Los Angeles, CA.

Ryoo, J.J. & Bevan, B. (2017, September). Invited speaker for "Research + Practice" video on Tinkering Studio Coursera reaching over 9,000 students globally.

Ryoo, J.J. (2016, May 8). Invited Keynote for *Fabrication & HCI: Hobbyist Making, Industrial Production, and Beyond*. 2016 ACM CHI Conference (Human-Computer Interaction). San Jose, CA.

Ryoo, J.J. (2016, May 5). Invited speaker for workshop: "Promising STEM practices, programs, projects, and activities for formal and informal settings." 2016 US-African STEM Education Expert Planning Conference. Rutgers University, New Brunswick, NJ.

Ryoo, J.J. (2016, April 28). Invited panelist for session entitled "Empowering Makers." Crossroads Conference, InfoSys Foundation USA. San Francisco, CA.

Ryoo, J.J. & McLeod, E. (2015, November 19). Research-Practice Partnership Forum: "Defining the focus of partnership work." Webinar hosted by William Penuel (CU Boulder, School of Education).

Shea, M., & **Ryoo, J.J.** (2015, June 25). Digging into research: Making and tinkering in afterschool. [Webinar]. In *Afterschool Alliance Webinar Series*. Retrieved from https://afterschoolalliance.adobeconnect.com/_a1043045437/p1kr89t0nrk/?launcher=false&fcsContent=true&pbMode=normal.

SERVICE TO PROFESSIONAL COMMUNITY

Editorships

2018-present	Associate Editor; *ACM Transactions on Computing Education*
2021-present	Editorial Board; *Rapid Community Reports*, Center for Integrative Research in Computing and Learning Sciences
2020-21	Co-Editor; *ACM Transactions on Computing Education* Special Issue on "Justice Centered Computing Education"
2017-18	Guest Editor; *Equity & Excellence in Education* symposium on Equity & Making

Reviewer

2021	*Journal of the Learning Sciences*
2021	William T. Grant Foundation
2018-present	*Connected Science Learning*

Reviewer (Continued)

2017-present *Computer Science Education*
2017-present *ACM Transactions on Computing Education*
2016-present National Science Foundation
2020 *Educational Researcher*
2020 *Journal of Pre-College Engineering Education Research (J-PEER)*
2020 *International Journal of STEM Education*
2020 *Learning Media & Technology*
2020 *Studies in Science Education*
2020 *Journal of Youth Development*
2018 *Equity & Excellence in Education*
2018 ACM Richard Tapia Celebration of Diversity in Computing Conference
2016-2017 *Computers & Education*
2015 FabLearn Conference
2014 *Education as Change*
2013 American Educational Research Association Graduate Student Council
2009-2015 American Educational Research Association, Annual Conference
2009 *The Open Political Science Journal*
2008 *Curriculum Inquiry*
2008 *UCLA InterActions*
2008 *Teaching Education*
2008 *Journal of Power and Education*
2008 *Asia Pacific Journal of Education*
2008 *Qualitative Studies in Education*
2008 *International Studies Perspectives*
2008 *Pedagogies*
2008 *Sociology of Education*
2008 *Current Anthropology*

Committees/Leadership

2021-present The National Academies of Science, Engineering, & Medicine (NASEM) Committee Member: "Committee on the Equity in PreK-12 STEM Education."
2018-present UCLA Lab School Research Review Committee Member
2020-21 Conference Co-Chair: 2021 Research on Equity & Sustained Partnership in Engineering, Computing, & Technology (RESPECT) Conference
2020-21 Invited Member: NSF-funded Connected Science Learning Study Group
2019-20 2020 FabLearn Conference Young Makers Track Chair
2018-19 2019 FabLearn Conference Full Paper Track Chair

Advisory Boards

2021-present Advisory board member for NSF-funded "CS Teachers Talk" (PI: Aleata Hubbard)
2021-present Advisory board member for NSF-funded "BPC-DP: Coding like a data miner: A culturally relevant data analytics intervention for high school students" (PI: Justice Walker)
2021-present Advisory board member for US Dept. of Education-funded VisionCoders Program (Intercultural Development Research Association)
2020-present Advisory board member for US Dept. of Education-funded STEM+C3 teacher residency initiative (UCLA Center X)

Advisory Boards (Continued)

2020-present	Advisory board member for NSF-funded CSforAll RPP project: "Computer Science For and By Teachers (CS FAB-Teachers): An Integrative Toolkit for Elementary Classrooms" (PI: W. Richards Adrion)
2019	Advisory board member: NSF-funded CSforAll RPP PI Meeting (organized by AIR)
2018-2020	Advisory board member for NSF-funded CSforAll RPP project: "BRIGHT-CS RPP: Building Student Retention through Individuated Guided cohort Training in Computer Science Research-Practice Partnership" (PI: Ryoko Yamaguchi)
2018-2020	Advisory board member for NSF-funded AISL project: "All together now: The role of mentorship in persistence in informal STEM programs" (PI: Mizuko Ito)
2017-2019	Advisory board member for NSF-funded ITEST project: "Broadening identities for diverse youth in STEM through socioenvironmental problem solving" (PI: Heidi Carlone; Co-PI: Lakshmi Iyer; Co-PI: Sara Heredia)
2016-2017	Advisory board member for NSF-funded ITEST project: "Electronic textiles for Exploring Computer Science" (PI: Yasmin Kafai; Co-PI: Deborah Fields)
2015-2019	Advisory board member for the Global STEM Leadership Alliance

Mentorship

2021-present	Dissertation Committee Member; UCLA Education Leadership Program Candidate
2020-2021	PhD Dissertation Committee Member for Merijke Coenraad; University of Maryland
2020 Sept.	Coach – NNERRP Research-Practice Partnership Workshop for CSforAll
2019, April	UCLA Masters and PhD Career Development Conference Roundtable
2009-2019	Marlborough School Honors Research mentor

Affiliations

2018-present	ACM Special Interest Group on Computer Science Education (ACM SIGCSE)
2007-present	American Educational Research Association (AERA)
2008-2013	Association for Asian American Studies (AAAS)

MEDIA COVERAGE

Equitable Futures. (2021, September). "Centering youth voices: *Power Up!* case study." By Lisa Chen & Michaela Leslie-Rule. https://www.equitablefutures.org/case-study-power-up/.

Ampersand ED&IS. (2021, April 8). "Jean Ryoo Honored with AERA'S Jan Hawkins Award." By Joanie Harmon. https://centerx.gseis.ucla.edu/jean-ryoo-honored-with-aeras-jan-hawkins-award/.

Digital Arts & Humanities at Harvard University (DARTH). (2012, November 5). "Jean Ryoo ('02)." Available at http://www.darthcrimson.org/jean-ryoo-02/.

Clicanoo.re. (2004, February 22). "Cyclisme: Jean Ryoo, libre quand elle roule." Available at https://www.clicanoo.re/node/416862. (Article describing Jean's life on La Réunion)

OTHER PUBLICATIONS & EXHIBITIONS

Bevan, B., Choi, M., & **Ryoo, J.J.** (2017). Video entitled: *Teachers talking about tinkering*. Exploratorium Tinkering Studio MOOC: "Tinkering Fundamentals: Motion and Mechanisms." www.coursera.org. (9000+ students enrolled globally)

Bevan, B., Choi, M., & **Ryoo, J.J.** (2017). Video entitled: *Making and tinkering: The intertwined dimensions of learning*. Exploratorium Tinkering Studio MOOC: "Tinkering Fundamentals: Motion and Mechanisms." www.coursera.org. (9000+ students enrolled globally)

OTHER PUBLICATIONS & EXHIBITIONS (Continued)

Bevan, B., Choi, M., & **Ryoo, J.J.** (2017). Video entitled: *Making and Tinkering: The power of ideas*. Exploratorium Tinkering Studio MOOC: "Tinkering Fundamentals: Motion and Mechanisms." www.coursera.org. (9000+ students enrolled globally)

Ryoo, J.J., Choi, M., & Bevan, B. (2016). Video entitled: *Making is fun, but are they learning?: Equity in science education*. 2016 National Science Foundation "STEM for All" Video Showcase. http://stemforall2016.videohall.com/presentations/678

Ryoo, J.J. (2011). Illustrations In: Jennings, V.J., *Free Lunch* (A book of poetry). http://www.gimmefreelunch.com/

Ryoo, JJ. (Jan 13, 2003). Photo of Olympic diving champion Sammy Lee. *The Harvard Crimson*.

"Independent Media/Free Thought Art Show" – **curator** of first annual Dudley House undergraduate art show; Lehman Hall, Harvard University (May 2-23, 2003)

"What Have We Done" – Thesis student **group show**; Carpenter Center for Visual Arts and Sert Galleries, Harvard University (May 1-June 5, 2003)

"cöop" – **documentary** about the Dudley House Co-op; student film screenings, Harvard Film Archive (May 2003)

Ryoo, JJ. (Spring 2002). Photo. *The Harvard Advocate*.

Ryoo, JJ. (March 7, 2002). The Dudley Cooperative House. *The Harvard Independent*.

Ryoo, JJ. (Spring 2002). Photo. *Yisei Magazine*, *15*(1).

"Forest Memory Project" – **public art**; Tiverton Four Corners Sculpture Park (2002)

Spinning and *Oooooh* – **animation** film screenings, Harvard Film Archive (May 2002)

"Forest Memory Project" – **public art** for ARTS First; Harvard University (May 2-6, 2002)

"Outer Spaces" – **photo** in the Advocate Spring Art Show; Harvard University (April, 2002)

"Overstocked: under.consumption" – **photo** in group show; Harvard University (Feb 4-24, 2002)

"Photography How? 10,000 Miles to Dusseldorf" – **photo** show; Harvard University (Jan 2002)

VES Fall Student Art Exhibition—**sculpture** displayed; Harvard University (Nov 30-Dec 14, 2002)

Ryoo, JJ. (Spring 2001). Photo. *The Harvard Photography Journal*, *8.*

Ryoo, JJ. (Spring 2000). Photo. *The Harvard Photography Journal*, *7*.

Ryoo, JJ. (Spring 2000). Photo. *Yisei Magazine*, *13*(2).

Ryoo, JJ. (Winter 2000). Photo. *Yisei Magazine 13*(1).

Lowell House ARTS First Exhibition – **photo** chosen; Lowell House Art Studio, Harvard Univ. (May 6-13, 2000)

VES Spring Student Art Exhibition – **silkscreen** work chosen; Carpenter Ctr, Harvard Univ. (May 12-24, 2000)

Ryoo, JJ. (Spring 1999). Drawing. *Yisei Magazine 12*(2).

MISCELLANEOUS ACTIVITIES & COMMUNITY SERVICE

2020-present	Los Angeles Unified School District; Local School Leadership Council (local school)
2019-present	Los Angeles Unified School District Volunteer
2018-2019	First Tech Challenge Robotics Competition Volunteer (Field Supervisor)
2018-2019	Felicitas & Gonzalo Mendez High School Robotics Team Mentor (Los Angeles, CA)
2009-2019	Honors Research Program Mentor, Marlborough School (Los Angeles, CA)
2012-13	Yoga Teacher (Yoga Collective; Laughing Frog; Los Angeles, CA)
2012	200 Hr. Yoga Teaching Certification (Yoga Alliance Certified)
2007-2011	Southern California Aquatics Master's Swim Team Member (Los Angeles, CA)
2007-2009	My Friend's Place Art Teacher (Homeless Teen Center; Los Angeles, CA)
2007-2009	Big Brothers/Big Sisters of America volunteer (Los Angeles, CA)
2005-2008	Capoeira Grupo Senzala Hawai'i (Honolulu, HI)
2003-2004	Club Cyclism St. Louisien Member/Racer (St Louis, La Réunion, Indian Ocean)

MISCELLANEOUS ACTIVITIES & COMMUNITY SERVICE (Continued)

2003	Cross Country Bike Ride from Boston to Los Angeles
2002-2003	Harvard Cycling Team, Collegiate Cycling (Cambridge, MA)
2001-2003	Dudley House Cooperative Member, Harvard University (Cambridge, MA)
2001	Chimpanzee Study, Harvard University Department of Anthropology (Funded by the National Science Foundation, Harvard College Research Program, Explorer's Club Youth Activity Fund, & Goelet Fund)
1998-2003	Harvard Radcliffe Collegium Musicum, Soprano (Cambridge, MA)
1998-2000	Blues Disk Jockey, 95.3FM, WHRB Cambridge, Harvard Radio Station

LANGUAGES

Advanced French, Beginning Spanish, Beginning Korean

PROFESSIONAL REFERENCES

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