

Sanaa S. Khan

Justice in Computing Education
Equity, Access and Critical Computing

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EDUCATION

University of California, San Diego July 2018, ongoing

Advisor | Dr. Thandeka Chapman GPA | 3.66

Ph.D. in Education Studies | Computing Education in K-12 Schooling

PRIMARY COURSEWORK | Critical Race Theory • Science, Technology & Society (STS) • Decolonizing Methodologies

Brooklyn College June 2016 - May 2018

M.A. | Science Education GPA | 3.5

PRIMARY COURSEWORK | Curriculum Design • Middle Grade Pedagogy • STEM Education

University of California, Irvine Sept. 2011 - June 2015

B.A. | International Studies GPA | 3.5

AWARDS | HONORS

Sawyer Seminar Histories of A.I. Research and Collaboration Award, October 2020

UC Speculative Futures of Education Grant, December 2019

UC San Diego Competitive Edge Summer Fellowship, June 2018

Urban Advantage Science Teacher, 2018

UC Irvine Lauds and Laurels Award Winner, May 2015

TALKS/PRESENTATIONS

[1] "Zoom Ramadan: Possibilities for Virtual Gathering in Post-Normal Times." Paper presentation with co-author Insha Khan at Huron-Respect Academic Conference: Pastoral and Spiritual Care During the Pandemic on November 15, 2020.

[2] "Colonization and Borders Online: A Critical Re-examination of Ziauddin Sardar's 'Cyberspace Colony.'" Paper presentation at the Borders, Bordering and Digital Sovereignty Online Symposium on September 3, 2020.

[3] "Gender, Power, and Research" Panel presentation for Gender & Sexuality 50B (Gender and Power) at the University of California, Irvine on August 25, 2020.

[4] "Curriculum as Futurism: Towards a Liberatory Pedagogy" Paper presentation at the 2020 4S/EASST held in virtual/viral Prague on August 17, 2020.

[5] "Beyond Bodies: Critical Race Perspectives on Digital Embodiments" Paper presentation at Digital Spaces, Physical Places Digital Humanities Symposium held by the Andrew Mellon Digital Humanities Fellowship at the University of Rochester on May 1, 2020.

[6] "Monsters and Machines: Counter-stories to Computing" Paper presentation at Speculative Futures of Education Symposium held by the University of California Speculative Futures Collective at the University of California, Riverside on December 14, 2019

[7] "Ain't No Stoppin' Us Now: Social Justice Warriors in Urban Classrooms" Panel presentation for Education Studies 112 (Introduction to Urban Education) at the University of California, San Diego on February 9, 2019

CONFERENCES ATTENDED

2020 | Huron-Respect Academic Conference on Pastoral and Spiritual Care (Presenting) • History of Science Society Annual Meeting • Graduate Research in Science and Technology Studies (GRiST), Harvard University • Borders, Bordering and Digital Sovereignty Online Symposium (Presented) • Society for the Social Studies of Science (4S) (Presented) • Digital Places, Physical Places Digital Humanities Symposium (Presented)

2019 | AERA Annual Meeting • Critical Race Studies in Education Conference, University of Southern California • Speculative Futures of Education Symposium (presented)

RESEARCH

ETHIC | In Derrick Bell's "Racial Realism" (1992), he writes that the struggle against oppression is a practice that must be developed continuously, even if that oppression is never overcome. I use critical race theory to examine how oppression forms dynamics within classrooms, with an aim towards dismantling systems of oppression. I envision a transformative education in which continual resistance is a manifestation of potential liberation.

INTERESTS | Computing Education in K-12 Schooling • Access and Equity in Computing Education • Critical Race Theories perspectives in Science and Technology Studies • STEM Equity in Practice • Conspiracy Theories in Online Spaces • Racialization in Digital Spaces • Liberatory Education • Critical Disability Studies and Education

LANGUAGES and TOOLS | C++ • Java • Python • Adobe Photoshop • SPSS • maxQDA

TEACHING

ETHIC | A pedagogue's role in the classroom should be one of consistency, firmness, and grace. I aim to teach my students about issues around education that ignite their sense for justice, connect with their lived experiences, and help them dream of a better world. Teaching is at its heart a hope for a better future, a continuous deconstruction and reconstruction.

Teaching Assistantships | Education Studies 117 - Language, Culture and Education (Fall 2020, Summer 2020) • Education Studies 124BR - Teaching Computation in the Digital World (Winter 2019, Spring 2020) • Education Studies 114 - Cognitive Development and Interactive Computing Environments (Winter 2020)

EXPERIENCE

Academy for Young Writers | Brooklyn, NY.....Sept. 2016 - June 2018

Science Teacher | Coding Teacher

RESPONSIBILITIES | Received field training specialized in serving high-need populations to serve as a sixth grade science teacher at a Title I school in East New York • Participated in a rigorous training program that focuses on continuous feedback and practice-based learning • Practiced teaching based on the socioemotional needs of students in class.

School on Wheels | Long Beach, CA..... Oct. 2015 - May 2016

English and Math Tutor

RESPONSIBILITIES | Worked with elementary school students experiencing homelessness in a domestic violence shelter to keep them up-to-date on missing classwork • Created curriculum for students based on their academic levels and academic goals

Empowerment through Alternative Education | Irvine, CA..... Sept. 2013 - June 2015

Mentor

RESPONSIBILITIES | Educated high school students who have been convicted of misdemeanors on personal and professional development • Encouraged these students to expand their horizons through self-expression and other exercises focused on self-improvement and community service