Veronica A. Rivera

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https://vrivera2017.github.io

Research interests: HCI, digital harm and safety, human factors in security, future of work

Education

Fall 2017– **PhD Candidate, Computational Media**, *University of California Santa Cruz*
Expected: June 2023
Dissertation: Digital Harm in Gig Work
Committee: David Lee (advisor), Chris Benner, Elizabeth Gerber, Elissa M. Redmiles, Norman Makoto Su

2013–2017 **BSc, Joint Computer Science and Mathematics**, *Harvey Mudd College*

Publications

* indicates equal contribution, listed alphabetically by last name

PEER-REVIEWED CONFERENCE & JOURNAL PAPERS

CHI 2022 Ma, N.F.*, **Rivera, V.A.***, Yao, Z., Yoon, D. *"Brush it Off": How Women Workers Manage and Cope with Bias and Harassment on Gender-agnostic Gig Platforms*. The 2022 ACM Conference on Human Factors in Computing Systems.

CSCW 2021 **Rivera, V.A.**, Lee, D.T. *I Want to, but First I Need to: Understanding Crowdworkers Career Goals, Challenges, and Tensions*. Proceedings of the ACM on Human-Computer Interaction.

JKTR 2017 Nelson, S., Orrison, M., **Rivera, V.** *Quantum Enhancements and Biquandle Brackets*. The Journal of Knot Theory and its Ramifications.

ISVC 2015 Tenorio, D., **Rivera, V.**, Medina, J., Leondar, A., Gaumer, M., Dodds, Z. *Visual Autonomy via 2D Matching in Rendered 3D Models*. The International Symposium on Visual Computing.

JKTR 2014 Nelson, S., **Rivera, V.** *Quantum Enhancements of Involutory Birack Counting Invariants*. The Journal of Knot Theory and its Ramifications

PEER-REVIEWED WORKSHOP & CONSORTIA PAPERS

CSCW 2019 **Rivera, V.A.**, Lee, D.T. *It Takes a Village to Change Jobs: Towards Workplace Relationships that Support Reskilling in Crowdwork*. The Future of Work(places): Creating a Sense of Place for On-Demand Work. Workshop at ACM CSCW.

ITS 2018 **Rivera, V.** *A New Approach to Testing Children with Autism Spectrum Disorder Using Affect*. Doctoral Consortium at the International Conference on Intelligent Tutoring Systems.

Fellowships and Awards

2021 **ARCS Scholarship**, *UC Santa Cruz*, excellence in academics and STEM research

2019 **Chancellor's Graduate Internship Fellowship**, *UC Santa Cruz*, for research that advances student experiences at UC Santa Cruz
1 out of 5 recipients across graduate division

2019 **Travel Scholarship**, *CRA*, To attend CRA-W Grad Cohort Workshop for Women

2019 **Travel Scholarship**, *CRA*, To attend CRA-URMD Grad Cohort Workshop for racially underrepresented students

2018 **Summer Regent's Fellowship**, *UC Santa Cruz*

2013 **President's Scholarship**, *Harvey Mudd*, 4-year full-tuition
1 out of 8 recipients across graduating class of 2017

Research Positions

July 2022-
Jan.2023 **Max Planck Institute for Software Systems**, *Visiting Researcher*
Advisor: Elissa M. Redmiles
Researching digital security and safety concerns in online/offline interactions, with focus on online daters and gig workers; statistical analysis of survey data

Jan.2019– **University of California, Santa Cruz**, *Graduate Researcher*
Advisor: David T. Lee
Researching well-being in digitally-mediated gig work as related to career development and emotional safety; semi-structured interviews and qualitative social media data analysis

Sep.2017-
Jan.2019 **University of California, Santa Cruz**, *Graduate Researcher*
Advisor: Sri Kurniawan (advisor and lab change in Jan.2019)
Researching how educational classroom tools can be used students with Autism Spectrum Disorder; conducted observations in a special education classroom

Aug.2016-
May 2017 **Harvey Mudd College**, *Undergraduate Researcher*
Advisor: Lisa Kaczmarczyk & The MITRE Corporation
Developed an image de-identification algorithm that makes it harder for Local Binary Patterns and Dlib Deep Learning algorithms to recognize an individual in a photo for undergraduate group thesis project

Summer 2015 **Harvey Mudd College**, *Undergraduate Researcher*
Advisor: Zachary Dodds
Investigated the strengths and drawbacks of using the Matterport 3D camera for robotic spatial reasoning.

2011-2015 **Claremont McKenna College**, *High School/Undergraduate Researcher*
Advisor: Sam Nelson
Studied topology and knot theory and researched ways of defining new knot invariants

Teaching Experience

Spring 2022 **HCI 220: Ethics & Activism in Technology & Design**, *UC Santa Cruz*, Instructor of Record
Designed curriculum from scratch; graduate-level course

Winter 2022 **CMPM 178: Human-Centered Design Research**, *UC Santa Cruz*, TA
Upper division undergraduate course introducing user research methods

Fall 2021 **CMPM 35: Data Structures for Interactive Media**, *UC Santa Cruz*, TA
Undergraduate course introducing data structures to non-computer science majors

Spring 2021	**CSE 20: Beginning Programming in Python**, *UC Santa Cruz*, TA
	First computer science course in the major for undergraduates with no prior experience
Winter 2021	**CMPM 178: Human-Centered Design Research**, *UC Santa Cruz*, TA
Fall 2018	**CMPS 12A: Introduction to Programming, Accelerated**, *UC Santa Cruz*, TA
	Accelerated introductory course for students with some experience, taught in Java
Spring 2018	**CMPS 5J: Introduction to Programming in Java**, *UC Santa Cruz*, TA
	Undergraduate Java course for students with no prior experience.
Winter 2018	**CMPS 5J: Introduction to Programming in Java**, *UC Santa Cruz*, TA
Fall 2014	**CS 5: Introduction to Computer Science**, *Harvey Mudd College*, Undergraduate Tutor

Service

2022	**Paper Reviewer**, *CHI 2022*
	Special recognition for outstanding reviews
2020-2021	**Assistant Community Manager**, *UC Santa Cruz Computational Media Department*
	Helped organize department social events, and visit days for admitted graduate students
2019-2021	**Paper Reviewer**, *CSCW 2019, 2020, and 2021*
	Special recognition for outstanding reviews (2021)
2019	**Paper Reviewer**, *Human-Computer Interaction Journal*
	Invited reviewer
2018, 2020	**Alumni Admissions Interviewer**, *Harvey Mudd College*
2018	**Graduate Student Mentor**, *UC Santa Cruz Department of Computational Media*
	Helped first year graduate student navigate the department and grad school

Undergraduate Research Mentoring

Betros Abraha, *UC Santa Cruz*

Ashvini Bhupatiraju, *UC Santa Cruz*, Now: Technology analyst at Wells Fargo

Jason Chan, *UC Santa Cruz*, Now: Product Designer at Fin

Mark Gonzales, *UC Santa Cruz*

Gurdikhia Kaur, *UC Santa Cruz*, Now: UX Researcher at Toyota Research Institute

Sonali Malik, *UC Santa Cruz*

Taylor McPherson, *UC Santa Cruz*, Now: Frontend Engineer at Hightouch

Benjamin Paulsen, *UC Santa Cruz*

Mathew Raju, *UC Santa Cruz*

Saki Yokokawa, *UC Santa Cruz*

Celeste Zhao, *UC Santa Cruz*, Now: MS Student at UW HCDE

Su Zin, *UC Santa Cruz*

Professional Development

2022 **Invited workshop presenter**, MuC Conference Workshop on Inclusive Security by Design

2021 **Teaching for Equity Certificate**, UC Santa Cruz Center for Innovations in Teaching and Learning

2020 **Graduate Student Leadership Certificate**, UC Santa Cruz Graduate Division

2019 **Invited workshop attendee**, JobKit Developer's Conference at the US White House

2019 **Invited workshop attendee**, Human-Computer Interaction Consortium on the Futures of Work

Invited Talks

January 2023 **A Taxonomy of Post-Digital Harm in Digitally-Mediated Offline Interactions**, Stanford University Security Lunch

December 2022 **Using Design to Teach Ethics and Activism to HCI Students**, Stanford University Computing & Society

April 2022 **Long-Term Worker Well-Being in the Future of Work**, Stanford University HCI Lunch