

EDUCATION

- 2021–2027
(expected) **University of California**, Irvine, CA
Ph.D. in Informatics
Graduate Certificate in Public Health Informatics
Advisor: *Dr. Yunan Chen*
- 2020–2021 **University of Maryland**, College Park, MD
M.S. in Computer Science
Scholarly Paper: *Opportunities to Support Kids' Agency and Well-being: A Review of Kids' Wearables*
Advisor: *Dr. Eun Kyoung Choe*
- 2015–2019 **University of Maryland**, College Park, MD
B.S. in Computer Science, B.A. in Germanic Studies
Advisor: *Dr. Leilani Battle*

PUBLICATIONS

* denotes equal contribution

Journal Publications (Peer-Reviewed)

- [J4] **What do clinicians edit in ambient AI-drafted clinical documentation? A qualitative content analysis**
Yawen Guo, Di Hu, Ziqi Yang, Seungjun Kim, Brian Tran, Jamie Lee, Sitha Vallabhaneni, Rachael Zehrung, Sairam Sutari, Steven Tam, Emilie Chow, Danielle Perret, Deepti Pandita, and Kai Zheng
Journal of the American Medical Informatics Association (2026)
- [J3] **“How Did We Miss It?”: Examining the Infrastructural Work of Practitioners Supporting Housing Insecure and Foster Youth Students**
Rachael Zehrung, Lora Cawelti, Erica Van Steenis, Verenisse Ponce Soria, Guadalupe Aileen Mendoza, Richard Arum, Yunan Chen, and June Ahn
Proceedings of the ACM on Human-Computer Interaction. 9, CSCW1 (2025)
- [J2] **Transitioning Together: Collaborative Work in Adolescent Chronic Illness Management**
Rachael Zehrung, Madhu Reddy, and Yunan Chen
Proceedings of the ACM on Human-Computer Interaction. 8, CSCW2 (2024)
- [J1] **Exploring Patient-Generated Annotations to Digital Clinical Symptom Measures to Promote Patient-Centered Communication**
Eunkyung Jo, Rachael Zehrung, Katherine E. Genuario, Alexandra Papoutsaki, and Daniel A. Epstein
Proceedings of the ACM on Human-Computer Interaction. 8, CSCW2 (2024)

Conference Proceedings (Peer-Reviewed)

- [C6] **Hiding in Plain Sight: Understanding the Everyday Practices and Challenges of Car Dwellers**
Rachael Zehrung and Yunan Chen
CHI 2026: Proceedings of the ACM Conference on Human Factors in Computing Systems [Acceptance Rate: 25%]
- [C5] **Investigating the effects of housing instability on depression, anxiety, and mental health treatment in childhood and adolescence**
Rachael Zehrung,* Di Hu,* Yawen Guo, Kai Zheng, and Yunan Chen
AMIA 2024: American Medical Informatics Association Annual Symposium

- [C4] **Self-Expression and Sharing around Chronic Illness on TikTok**
Rachael Zehrung and Yunan Chen
 AMIA 2023: American Medical Informatics Association Annual Symposium
- [C3] **Perspectives on Privacy in the Post-Roe Era: A Mixed-Methods of Machine Learning and Qualitative Analyses of Tweets**
 Yawen Guo, Rachael Zehrung, Katherine Genuario, Xuan Lu, Qiaozhu Mei, Yunan Chen, and Kai Zheng
 AMIA 2023: American Medical Informatics Association Annual Symposium
- [C2] **Vis Ex Machina: An Analysis of Trust in Human versus Algorithmically Generated Visualization Recommendations**
Rachael Zehrung,* Astha Singhal,* Michael Correll, and Leilani Battle
 CHI 2021: Proceedings of the ACM Conference on Human Factors in Computing Systems [Acceptance Rate: 26%]
- [C1] **Living with Uncertainty and Stigma: Self-Experimentation and Support-Seeking around Polycystic Ovary Syndrome**
 Shaan Chopra, Rachael Zehrung, Tamil Arasu Shanmugam, and Eun Kyoung Choe
 CHI 2021: Proceedings of the ACM Conference on Human Factors in Computing Systems [Acceptance Rate: 26%]

Workshops and Posters (Lightly Peer-Reviewed)

- [L3] **The Limits of Labels: Homelessness, Classification, and Identity**
Rachael Zehrung
 CHI 2026 Workshop– Between and Beyond: Designing for Identity Complexity in HCI
- [L2] **Understanding and Designing for Family Transitions in Supportive Housing**
Rachael Zehrung
 CSCW 2025 Doctoral Consortium
- [L1] **Rare Aesthetic: Lived Experiences, Challenges, and Support-Seeking Practices of Adolescents with Rare Diseases on TikTok**
Rachael Zehrung, Zhaoyuan “Nick” Su, and Yunan Chen
 AMIA 2022: American Medical Informatics Association Annual Symposium

HONORS AND AWARDS

- 2026 Public Impact Fellowship, UCI Graduate Division
- 2025 UCI CORCL Award – *Empowering Families Experiencing Housing Insecurity: Data-Driven Tools for Complex Care Coordination*
- 2024 GAANN Fellowship
 CRA-WP Grad Cohort for Women
- 2022 GAANN Fellowship
- 2021 Recruitment Fellowship, UCI
 Chair’s Award, UCI School of Information and Computer Sciences
 Competitive Edge Summer Research Fellowship, UCI
 GAANN Fellowship
 NSF Graduate Research Fellowship Honorable Mention
- 2020 First Place in Design Challenge, Terps Makeathon

- 2019 Student Commencement Speaker, UMD School of Languages, Literatures, and Cultures
- 2018 Sarah Reehl Scholarship, UMD Department of Computer Science
- 2017 German Society of Maryland Scholarship
Anneliese and Alfred Strauch Scholarship for Foreign Language Study
- 2016 Grace Hopper Scholarship, Maryland Center for Women in Computing
- 2014 Congress-Bundestag Youth Exchange Scholarship

TEACHING

Graduate Teaching Assistant, University of California, Irvine

- INF 173: Consumer Health Informatics (Spring 2023)
- INF 133: User Interaction Software (Fall 2022)

Graduate Teaching Assistant, University of Maryland, College Park

- INST 327: Database Design and Modeling (Spring 2021)
- CMSC 838X: Personal Health Informatics and Visualization (Fall 2020)

Undergraduate Teaching Assistant, University of Maryland, College Park

- CMSC 132: Object-Oriented Programming II (Spring 2018)
- CMSC 131: Object-Oriented Programming I (Fall 2017)
- CMSC 250: Discrete Structures (Spring 2017, Fall 2017)

EMPLOYMENT

- Aug 2021–
present **University of California**, Irvine, CA
Graduate Researcher (*with Dr. Yunan Chen*)
- June 2025–
Aug 2025 **Chang Gung University**, Taoyuan City, Taiwan
Visiting Researcher (*with Dr. Angela Shin-Yu Lien and Dr. Chih-Yuan Yang*)
- June 2024–
Sept 2024 **Yakima Neighborhood Health Services**, Yakima, WA
Program Evaluation Intern
- July 2023–
June 2024 **University of California**, Irvine, CA
Student Ambassador for Diversity and Inclusion in Informatics
- May 2020–
Aug 2020 **University of Maryland**, College Park, MD
Graduate Research Assistant (*with Dr. Eun Kyoung Choe*)
- Jan 2020–
May 2020 **Maryland Population Research Center**, College Park, MD
Graduate Administrative Assistant
- May 2019–
Dec 2019 **University of Maryland**, College Park, MD
Post-baccalaureate Researcher (*with Dr. Leilani Battle*)
- May 2018–
Aug 2018 **The Vanguard Group**, Malvern, PA
Software Engineer Intern
- May 2017–
Aug 2017 **The Vanguard Group**, Charlotte, NC
Software Engineer Intern
- May 2016–
Aug 2016 **Laboratory for Telecommunication Sciences**, College Park, MD
Security Research Intern

SERVICE

Program Committee: ACM CSCW Posters (Associate Chair): 2025, 2026

Reviewing: ACM CHI: 2023, 2024[†], 2025[†], 2026[†]
ACM CSCW: 2025[†]
ACM DIS: 2026
ACM GROUP: 2026
JCSCW: 2026
ACM IH Short Forms: 2026
ACM DIS Pictorials: 2025
AMIA: 2022-24

[†]*special recognition for outstanding review*

Leadership: Writing Mentor, Code to PhD: 2025
Writing Mentor, UCI Summer Undergraduate Research Fellowship (SURF): 2023
Mentor, UCI Competitive Edge Summer Research Program: 2022
Mentor, Technica (Hackathon): 2020
Outreach Ambassador, Maryland Center for Women in Computing: 2016

Research Mentorship: Mohamed Elsayed, BEng Electrical Engineering, NUS: Summer & Fall 2025
Nelson Huang, BPsych (Hons), USYD: Summer 2025
Darren Prince, BSc (Hons) Medical Biochemistry, Swansea University: Summer 2025

Student Volunteer: AMIA: 2023
ACM CHI PLAY: 2020

INVITED TALKS

Unpacking the Infrastructures of Hidden Homelessness
hci+d lab, Seoul National University, December 2025

Investigating Opportunities to Support Kids' Agency and Well-being: A Review of Kids' Wearables
HCIL Symposium, May 2021

PRESS

What can a smartwatch for kids actually teach them? More than you think.

Verizon News Center (Audrey Smith, 2025)

<https://www.verizon.com/about/parenting/smartwatch-for-kids-build-confidence-life-skills>