Rachael Zehrung

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http://rzehrung.name
Google Scholar

EDUCATION

2021–present   **University of California**, Irvine, CA
Ph.D. in 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*

SKILLS

Research: Interviews, Surveys, User-Centered Design, Qualitative Research & Analysis, Data Visualization

Technologies: Linux, Git, SQL, D3, Tableau, Power BI, Figma, Dedoose, Qualtrics, HTML/ CSS, LaTeX

Languages: Python, R, JavaScript, Java

PUBLICATIONS

* *denotes equal contribution*

Journal Publications (Peer Reviewed)

[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)

[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. *Proceedings of the 2024 American Medical Informatics Association Annual Symposium (AMIA).*

[C4]   **Self-Expression and Sharing around Chronic Illness on TikTok**. Rachael Zehrung and Yunan Chen. *Proceedings of the 2023 American Medical Informatics Association Annual Symposium (AMIA).*

[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. *Proceedings of the 2023 American Medical Informatics Association Annual Symposium (AMIA).*

[C2]   **Vis Ex Machina: An Analysis of Trust in Human versus Algorithmically Generated Visualization Recommendations**. Rachael Zehrung,* Astha Singhal,* Michael Correll, and Leilani Battle. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '21).*

[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. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '21).*

Workshops, Posters, and Technical Reports (Lightly Peer Reviewed)

[L2] **Rare Aesthetic: Lived Experiences, Challenges, and Support-Seeking Practices of Adolescents with Rare Diseases on TikTok**. Rachael Zehrung, Zhaoyuan "Nick" Su, Yunan Chen. *Proceedings of the 2022 American Medical Informatics Association Annual Symposium (AMIA)*.

[L1] **Care Work in Parental Tracking Technologies**. Rachael Zehrung and Yunan Chen. *CSCW 2021 Workshop on The Future of Care Work*.

HONORS AND AWARDS

2024 GAANN Fellowship

2024 CRA-WP Grad Cohort for Women

2022 GAANN Fellowship in Socially Responsible AI

2021 Recruitment Fellowship, UC Irvine ($5,000)

Chair's Award, UC Irvine School of Information and Computer Sciences ($2,000)

Competitive Edge Summer Research Fellowship, UC Irvine ($5,000)

GAANN Fellowship in Socially Responsible AI

NSF Graduate Research Fellowship Honorable Mention

2020 First Place in Design Challenge, Terps Makeathon ($600)

2019 Student Commencement Speaker, UMD School of Languages, Literatures, and Cultures

2018 Sarah Reehl Scholarship, UMD Department of Computer Science ($2,000)

2017 German Society of Maryland Scholarship ($1,000)

Anneliese and Alfred Strauch Scholarship for Foreign Language Study ($500)

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 *with Dr. Yunan Chen*)
- 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 *with Dr. Eun Kyoung Choe*)

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

June 2024– Sept 2024	**Yakima Neighborhood Health Services**, Yakima, WA Research Intern
July 2023– June 2024	**University of California**, Irvine, CA Student Ambassador for Diversity and Inclusion in Informatics
Aug 2021– present	**University of California**, Irvine, CA Graduate Research Assistant *(under Dr. Yunan Chen)*
May 2020– Aug 2020	**University of Maryland**, College Park, MD Graduate Research Assistant *(under 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 *(under 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

INVITED TALKS

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

SERVICE

Reviewer, CHI (2023–2025), AMIA (2022–2024)

Mentor, UCI SURF (2023), Competitive Edge Summer Research Program (2022), Technica (2020)

Student Volunteer, AMIA (2023), CHI PLAY (2020)

Outreach Ambassador, Maryland Center for Women in Computing (2016)