# Rachael Zehrung

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Google Scholar

## EDUCATION

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

## PUBLICATIONS

[*] *denotes equal contribution*

**Conference Proceedings** (Rigorously Peer Reviewed)

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

Shaan Chopra, Rachael Zehrung, Tamil Arasu Shanmugam, and Eun Kyoung Choe. **Living with Uncertainty and Stigma: Self-Experimentation and Support-Seeking around Polycystic Ovary Syndrome**. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '21).*

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

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

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

**In Review**

Yawen Guo, Rachael Zehrung, Katie Genuario, Yunan Chen, and Kai Zheng. **Perspectives on Privacy in the Post-Roe Era: A Machine Learning-Assisted Qualitative Analysis of Tweets**. *Submitted to AMIA 2023.*

Rachael Zehrung and Yunan Chen. **Self-Expression and Sharing around Chronic Illness on TikTok**. *Submitted to AMIA 2023.*

## SKILLS

**Languages:** Python, JavaScript, Java, HTML/ CSS

**Technologies:** Linux, Git, PostgreSQL, D3, Tableau, Figma, Qualtrics, LaTeX

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

## HONORS AND AWARDS

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

## EMPLOYMENT

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|---|---|---|
| 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

**Mentor**, Competitive Edge Summer Research Program (2022), Technica (2020)

**Reviewer**, AMIA 2022, ACM CHI 2023

**Student Volunteer**, ACM CHI PLAY 2020

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