Reggie Casanova-Perez, MS

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EDUCATION

Ph.D., Biomedical and Health Informatics Expected June 2026
University of Washington, Seattle, WA, USA
Advisors: Wanda Pratt, Ph.D. and Andrea Hartzler, Ph.D.

Master of Science, Biomedical Informatics in Global Health 2016 - 2018
Universidad Peruana Cayetano Heredia, Lima, Peru
Advisor: Cesar Carcamo Cavagnaro, MD, Ph.D.

Bachelor of Science, Informatics Engineering 2007 - 2011
Universidad Peruana Cayetano Heredia, Lima, Peru

AWARDS & FUNDING

- The Population Health Initiative — University of Washington — 2024
  - Project: *"Identity safety in medicine: a qualitative study to elicit patient perspectives and develop a framework to apply in clinical settings and research"*
- Diversity supplement — National Library of Medicine — 2020
- Pre-doctoral trainee — National Library of Medicine — 2019

RESEARCH EXPERIENCE

CLAD Project — University of Washington
Graduate Research Assistant — 2025–Present

- Partner with the project PI to define the UX research approach and overall study design.
- Design and develop research instruments, including interview guides and informed consent documentation.
- Lead preparation and submission of IRB proposal and materials.
- Support early-stage qualitative data collection and analysis planning.

VillageReach — Research, Evidence, and Learning Team
Research Associate — 2023–2025

- Designed and conducted stakeholder interviews with community leaders, healthcare providers, and program implementers.
- Developed research instruments including surveys, interview guides, and needs assessments.
- Analyzed qualitative and quantitative data to generate actionable recommendations for program improvement.
- Collaborated with multidisciplinary teams using community-based participatory research approaches.
- Contributed to applied research projects addressing health equity challenges across Washington State and global contexts.

UnBIASED Project — University of Washington
Graduate Research Assistant — 2019–2024

- Served as lead graduate student researcher, coordinating day-to-day research activities and managing a small team of undergraduate and graduate coders.
- Led the design and execution of qualitative data collection, including the development of interview guides and the completion of 25+ in-depth interviews with patients.
- Coordinated analytic workflows and supported team-based qualitative coding using inductive and template-based approaches.

- Contributed to multiple peer-reviewed publications, including first-author work published at AMIA and co-first-author work published in JAMIA.
- Presented findings at national and international conferences and supported dissemination to academic and clinical audiences.
- This project forms the empirical foundation of my dissertation research and ongoing work examining how lived experiences of discrimination can inform system-level redesign.

FAB Project — University of Washington
Graduate Research Assistant — 2018–2019

- Developed and refined tools for effective qualitative data collection, including interview protocols and participant materials.
- Facilitated participant orientation sessions and managed study logistics.
- Conducted participant feedback interviews to evaluate study processes.
- Created data visualizations to support interpretation and communication of findings to the research team.

ACADEMIC REFERENCES

- Wanda Pratt, PhD — Research Advisor — wpratt@uw.edu
- Andrea Hartzler, PhD — Research Advisor — andreah@uw.edu
- Jim Phuong, PhD — Project Principal Investigator -— jphuong@uw.edu
- Brian Wood, MD — Research colleague — bwood2@uw.edu

PUBLICATION LIST

PEER REVIEWED JOURNAL ARTICLES

1. Bedmutha MS, Bascom E, Sladek KR, Tobar K, **Casanova-Perez R**, Andreiu A, Bhat A, Mangal S, Wood BR, Sabin J, Pratt W, Weibel N, Hartzler AL. Artificial intelligence-generated feedback on social signals in patient–provider communication: technical performance, feedback usability, and impact. *JAMIA Open*._ 2024;7(4):ooae106. doi:10.1093/jamiaopen/ooae106
   https://academic.oup.com/jamiaopen/article-abstract/7/4/ooae106/7826763
2. Bear Don't Walk OJ, Paullada A, Everhart A, **Casanova-Perez R**, Cohen T, Veinot T. Opportunities for incorporating intersectionality into biomedical informatics. *J Biomed Inform*. 2024;154:104653.
   https://www.sciencedirect.com/science/article/pii/S1532046424000716
3. Apodaca C, **Casanova-Perez R,** Bascom E, Mohanraj D, Lane C, Vidyarthi D, et al. Maybe they had a bad day: how LGBTQ and BIPOC patients react to bias in healthcare and struggle to speak out. *J Am Med Inform Assoc*. 2022;29(12):2075-82.
   https://academic.oup.com/jamia/article-abstract/29/12/2075/6672572

PEER-REVIEWED CONFERENCE PROCEEDINGS

4. Bascom E, **Casanova-Perez R**, Dirks L, Lane C, Rizvi N, Sabin J, et al. Designing Communication Feedback Systems To Reduce Healthcare Providers' Implicit Biases In Patient Encounters. In: *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems*; 2024.
   https://dl.acm.org/doi/full/10.1145/3613904.3642756
5. Bedmutha MS, Tsedenbal A, Tobar K, Borsotto S, Sladek KR, Singh D, **Casanova-Perez R**, et al. ConverSense: An Automated Approach to Assess Patient-Provider Interactions using Social

Signals. In: *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems*; 2024.
https://dl.acm.org/doi/full/10.1145/3613904.3641998

6. Sangameswaran S, **Casanova-Perez R**, Patel H, et al. Improving physical activity among prostate cancer survivors through a peer-based digital walking program. *AMIA Annu Symp Proc*. 2023;2023:608-17.
https://pmc.ncbi.nlm.nih.gov/articles/PMC10785891/
7. Yang C, Coney L, Mohanraj D, **Casanova-Perez R**, Bascom E, Efrem N, Tan Garcia J, Sabin J, Pratt W, Weibel N, Hartzler A. Imagining Improved Interactions: Patients' Designs To Address Implicit Bias. *AMIA Annu Symp Proc*. 2024;2023:774-83.
https://pmc.ncbi.nlm.nih.gov/articles/PMC10785874/
8. Sangameswaran S, Segal C, Rosenberg DE, **Casanova-Perez R**, Cronkite D, Gore J, Hartzler A. Design of digital walking programs that engage prostate cancer survivors: Needs and preferences from focus groups. *AMIA Annu Symp Proc.* 2022;2021:1069-78.
https://pmc.ncbi.nlm.nih.gov/articles/PMC8861760/
9. **Casanova-Perez R**, Apodaca C, Bascom E, Mohanraj D, Lane C, Vidyarthi D, et al. Broken down by bias: Healthcare biases experienced by BIPOC and LGBTQ+ patients. *AMIA Annu Symp Proc*. 2022;2021:275-84.
https://pmc.ncbi.nlm.nih.gov/articles/PMC8861755/
10. Bascom E, **Casanova-Perez R**, Ramaswamy H, Mohanraj D, Sabin J, Pratt W, et al. Toward Patient-Centered Informatics Solutions: The Role of Intersectionality. *AMIA Annu Symp Proc*. 2021.
11. Zhao Y, Kim Y, Apodaca C, **Casanova-Perez R**, Haldar S, Mishra SR, et al. Supporting Goal-Based Collaboration for Hospitalized Children. *Proc ACM Hum-Comput Interact*. 2021;5(CSCW1):Article 164. doi:10.1145/3449238
https://dl.acm.org/doi/abs/10.1145/3449238
12. Snyder L, Saraf A, **Casanova-Perez R**, Connor S, George S, Wang A, Jones D, Mendoza G, Gore J, Litwin M, Hartzler A. Visualization Co-Design with Prostate Cancer Survivors who have Limited Graph Literacy. In: *2020 Workshop on Visual Analytics in Healthcare (VAHC)*; 2020. p. 17-23. doi:10.1109/VAHC53729.2020.00009Visualization Co-Design with Prostate Cancer Survivors who have Limited Graph Literacy. In: *2020 Workshop on Visual Analytics in Healthcare (VAHC)*; 2020. p. 17-23. doi:10.1109/VAHC53729.2020.00009
https://ieeexplore.ieee.org/abstract/document/9588550/
13. **Casanova-Perez RA**, Padilla-Huamantinco PG, De Freitas-Vidal CI, Choi YK. Home Behavior Monitoring Module in OpenEMR: Use of home sensors as Patient-Generated Data (PGD) for elderly care. *AMIA Annu Symp Proc*. 2018;2017:2279-83.
https://pmc.ncbi.nlm.nih.gov/articles/PMC5977615/

POSTER PRESENTATIONS

14. Dirks LG, Beneteau E, **Casanova-Perez R,** Lane C, Emmenegger C, Hartzler A, et al. Battling Bias in Primary Care Encounters: Informatics Designs to Support Clinicians. In: *CHI Conference on Human Factors in Computing Systems Extended Abstracts*; 2022. p. 1-9.
https://dl.acm.org/doi/abs/10.1145/3491101.3519825
15. **Casanova-Perez R**, Pratt W, Hartzler AL. Queering the EHR: Uncovering the embedded cisheteronormativity in health information technology. *AMIA Annu Symp Proc*. 2022.

WORKSHOPS

16. Rizvi N, **Casanova-Perez R**, Ramaswamy H, Dirks L, Bascom E, Weibel N. QTBIPOC PD: Exploring the Intersections of Race, Gender, and Sexual Orientation in Participatory Design. In:

Extended Abstracts of the 2022 CHI Conference on Human Factors in Computing Systems (CHI EA '22); 2022. Article 120. p. 1-4. doi:10.1145/3491101.3503733
https://dl.acm.org/doi/abs/10.1145/3491101.3503733

SERVICE & DIVERSITY

DEI Committee Member, American Medical Informatics Association (AMIA)
DEI Committee Member, Department of Biomedical Informatics and Medical Education (BIME), UW
Steering Committee Member, ACM Queer in SIG
Research Volunteer, Fred Hutchinson Cancer Center HIV Vaccine Trials

TECHNICAL SKILLS

Research Methods: Qualitative interviews, thematic analysis, human-centered design, participatory research, community-based participatory research (CBPR), mixed-methods research, grounded theory
Theoretical Frameworks: Feminist theory, queer theory, intersectionality, critical race theory
Software & Tools: REDCap, Atlas.TI, Dedoose, Qualtrics, Obsidian, Miro, Google suite, Microsoft suite,
Languages: Spanish (native), English (fluent), Italian (basic)