

# Jeff Brozena

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## Education

- 2021– Ph.D. Informatics, The Pennsylvania State University  
University Park, PA  
Technical HCI for mental health  
Advised by Dr. Saeed Abdullah
- 2019 B.Sc. Information Sciences and Technology, The Pennsylvania State University  
University Park, PA  
Minor: Science, Technology, and Society Studies (STS)

## Professional experience

- 2019–21 Research Assistant, Wellbeing and Health Innovation Lab
- 2011–18 Director of Operations, Smiles 4 Keeps Pediatric Dentistry

## Preprints

- 2023 **Brozena, J.**, Blair, J., Richardson, T., Matthews, M., Mukherjee, D., Saunders, E., & Abdullah, S. Fintech for Psychological and Financial Resilience: Determinants of Financial Data Sharing Behavior for Individuals with Bipolar Disorder. arXiv:2306.15725. <https://arxiv.org/abs/2306.15725>.

## Publications

- 2022 Blair, J., **Brozena, J.**, Matthews, M., Richardson, T. & Abdullah, S. Financial technologies (FinTech) for mental health: The potential of objective financial data to better understand the relationships between financial behavior and mental health. *Front. Psychiatry* 13:810057. <https://doi.org/10.3389/fpsy.2022.810057>.

## Research projects

### Fintech for mental health

- Deployed factorial vignette survey to assess feasibility, acceptance, and privacy preferences regarding financial information sharing for individuals with bipolar disorder
- Prototyping applications for data collection and analysis using open banking APIs

### Impact of pandemic telehealth usage on mental health outcomes

- Retrospective longitudinal study of health outcomes before, during, and after mandated telehealth usage during COVID-19
- Ongoing collaboration with a regional high-volume mental health clinic

## Awards and scholarships

- 2023 NSF Graduate Research Fellowship
- 2011 Rock Ethics Award, Pennsylvania State University

## Professional Affiliations

- 2023 Member, CrestBD Community Advisory Group
- 2022 Member, Society for Digital Mental Health

## Teaching

- 2022 Teaching assistant, Methods for Studying Users (HCDD 364w).
- 2022 Teaching assistant, Mobile Application Design and Development (HCDD 340).
- 2021 Teaching assistant, Application Development Design Studio (IST 261).