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. Supportive Fintech for Individuals with Bipolar Disorder: Financial Data Sharing Preferences to Support Longitudinal Care Management. 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/fpsyt.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).