

Jeff Brozena

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Education

- 2021– Ph.D. Informatics, The Pennsylvania State University
University Park, PA
Supportive financial technology for bipolar disorder
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

Director of Operations, Smiles 4 Keeps Pediatric Dentistry: <https://www.smiles4keeps.com>

- 2011–2017 Performed an end-to-end digital transformation at one of the country's largest privately-held multi-site Medicaid pediatric dental groups while it continued to serve **over 40,000 children annually**. Digitized all clinical and financial systems, trained 100+ staff on the redesigned environment, and rendered the business legible to third parties during due diligence phases. My work afforded Smiles 4 Keeps an accurate third-party valuation and **resulted in the sale of the business**. Additionally, I was invited to present to 5,000 pediatric dentists at the American Academy of Pediatric Dentistry conference on the subjects of digitization and compliant record-keeping.

Publications

Preprints

- 2025 **Jeff Brozena**, Johnna Blair, Dahlia Mukherjee, Erika F. H. Saunders, Thomas Richardson, Mark Matthews, Saeed Abdullah. The Currency of Mood: Assessing Acceptance and Privacy Preferences of Third-party Financial Data Sharing in Bipolar Disorder. In submission. <https://doi.org/10.31234/osf.io/syrwu.v1>.
- 2023 **Jeff Brozena**. Vector Autoregression (VAR) of Longitudinal Sleep and Self-report Mood Data. <https://doi.org/10.48550/arXiv.2510.02511>.

Conference Papers

- 2024 **Jeff Brozena**, Johnna Blair, Thomas Richardson, Mark Matthews, Dahlia Mukherjee, Erika F. H. Saunders, and Saeed Abdullah. 2024. Supportive Fintech for Individuals with Bipolar Disorder: Financial Data Sharing Preferences to Support Longitudinal Care Management. In *Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI '24)*, May 11–16, 2024, Honolulu, HI, USA. ACM, New York, NY, USA. <https://doi.org/10.1145/3613904.3642645>.

Journal Articles

- 2025 Emma Morton, Elsy Willis, **Jeff Brozena**, Andrew Kcomt, and Erin E. Michalak. 2025. The Type, Impacts, and Experiences of Peer Support for People Living With Bipolar Disorder: A Scoping Review. *Bipolar Disorders*. <https://doi.org/10.1111/bdi.70006>.
- 2022 Johnna Blair, **Jeff Brozena**, Mark Matthews, Thomas Richardson & Saeed Abdullah. 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>.

Workshops

- 2025 Johnna Blair, **Jeff Brozena**, John Vines, Jofish Kaye, Mark Matthews, and Saeed Abdullah. 2025. Future of Money and HCI. In Proceedings of the Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA '25). Association for Computing Machinery, New York, NY, USA, Article 780, 1–6. <https://doi.org/10.1145/3706599.3706711>.

Awards and scholarships

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

Professional Affiliations

- 2023 [Association for Computing Machinery](#)
2023 [CrestBD](#) Network Member
2022 [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).