

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

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.

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>.

Awards and scholarships

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

Professional Affiliations

- 2023 Association for Computing Machinery
- 2023 CrestBD Community Advisory Group
- 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).