

PI: John Torous, MD

Location: Division of Digital Psychiatry, Beth Israel Deaconess Medical Center, Harvard Medical School

Salary: \$40,000 + benefits

Start Date: Immediate → June 1st, 2022

Description: Our group has several focuses including 1) investigating smartphone-based digital phenotyping to predict relapse in mental health and 2) developing digital health tools for supporting depression and anxiety care. Our goal is to understand how digital signals generated by the everyday use of smartphones may be associated with symptomatology and to improve the quality and accessibility of treatment for mental illness through education, research, and innovation in digital psychiatry. Opportunities are also available for the student to be involved in supervised clinical and neurocognitive assessments. Multiple publications may also be afforded to students, as well as opportunities to present at conferences around the country. Prior MAMS students have each had first author publications and have presented at national or international meetings.

Due to the data driven nature of our team's projects, a working knowledge of statistics and some programming experience is required (Ideally Python or R, but students with experience in other languages such as MATLAB will be considered). The team can provide training resources to students who do have prior coding experience but might be in need a refresher. Engineering, computer science, math, or related majors are particularly encouraged to apply. Students must be able to commit full-time (five days a week, ~40 hours) in person at BIDMC. Remote work may replace in-person work only as dictated by the COVID-19 pandemic.

Current projects focus on our group's mental health smartphone app and include: digital phenotyping in smartphone usage for patients with psychosis, and digital phenotyping in college mental health, and running a digital clinic for patients with anxiety and/or depression. For more information, visit our team's website at <https://www.digitalpsych.org>

Interested students should contact the PI, John Torous MD (jtorous@bidmc.harvard.edu) with an attached cover letter and CV.