MAX MELNIKAS

maxmelnikas@gmail.com   mmel099.github.io   17 Holman St Unit #1, Boston 02134   857 999 6421

Education

Harvard Chan School of Public Health, Boston, MA

M.S. in Biostatistics   expected 05/25

Relevant Coursework: Applied Regression Analysis, Introduction to Data Science, Basics of Statistical Inference, Introduction to Epidemiology, Decision Analysis for Health and Medical Practices

Brandeis University, Waltham, MA

B.S. in Neuroscience and Biology with minors in Computer Science and Chemistry   received 05/23

Relevant Awards: Magna Cum Laude, Dean's List, Brandeis Presidential Scholar, Bauer Research Fellow, Guller Young Scholar, Lithuanian Jewish Community Scholar

King's College London, UK, Spring 2022 semester abroad in the Health and Society Program

Experience

Harvard Chan Department of Biostatistics, Boston, MA   09/23 onwards

Research Assistant, Dr. Onnela's Laboratory

- Provide Beiwe Service Center study support to 5+ external research teams capturing mobile-device data through the Beiwe app
- Identify and troubleshoot issues in participant data collection and user experience for iOS and Android
- Identify new software bugs to software developers and disseminate resolutions to the research community
- Demonstrate usage of Beiwe's open-source statistical scripts to external researchers to assist them in generating summaries of GPS, accelerometer, and survey data

Brandeis University, Waltham, MA   08/20 to 12/22

Teaching Assistant

Computer Science: Discrete Structure, Computer Science: Data Structure and General Chemistry Laboratory

- During the pandemic, when chemistry lab was offered only remotely, designed a procedure for an online, simulation-based chemistry laboratory experiment
- Led laboratory sessions and theory reviews for groups of 20+ chemistry laboratory students
- Provided one-on-one tutoring and coding support to students
- Provided feedback on students' programming assignments and laboratory write-ups
- Helped professors grade exams

Marcus Institute, Hebrew SeniorLife, Roslindale, MA   06/22 to 08/22

Research Intern

- Assisted in participant recruitment for a clinical trial of home-based tES (transcranial electric stimulation)
- Proposed a standardized home-based tES protocol as part of a written review of previously-published literature
- Assisted in statistical analysis for a multi-site aging study that provided patients with personalized health insights
- Participated in lab and home-based screenings for cognition and mobility

Skills

Computational: Generalized linear regression analysis, Survival analysis, Natural language processing, Data mining, Data visualization, Neural modeling, Image processing, PCA, EDA, Clustering, Data wrangling
Software: R, Python, Matlab, Github, Quart, Java, Unix, RedCap, Microsoft Office, Slack
Personal: Problem solving, Communication, Collaboration, Decision making, Creativity
Languages: English (native), Russian (native) and French (intermediate)

Campus Activities

- *Hunger and Homelessness Team of Waltham Group,* Collection & Distribution Volunteer
- *The Judy Fund,* Fundraising Volunteer
- *Intermural Poker Tournament,* Champion