

MAX MELNIKAS

maxmelnikas@gmail.com

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

- Provided Beiwe Service Center study support to 5+ external research teams capturing mobile-device data through the Beiwe app
- Identified and troubleshoot issues in participant data collection and user experience for iOS and Android
- Raised new software bugs to software developers and disseminated 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, survey data

Brandeis University, Waltham, MA

08/20 to 12/22

Teaching Assistant

Cosi 29: Discrete Structure, Cosi 21: Data Structures and Chem 18: General Chemistry Laboratory

- Led laboratory sessions and theory reviews for groups of 20 chemistry laboratory students
- Offered one on one tutoring and coding support to students through office hours
- Provided feedback on weekly programming assignments and laboratory write-ups and helped professors assess examinations
- Designed a procedure for an online, simulation-based chemistry laboratory experiment when the course was offered remotely during the pandemic

Marcus Institute, Hebrew SeniorLife, Roslindale, MA

06/22 to 08/22

Research Intern

- Assisted in participant recruitment for a clinical trial on home-based transcranial electric stimulation (tES)
- Reviewed publications on home-based tES protocols for a review of past protocols and proposal of a standardization method
- Assisted in statistical analysis for a multi-site aging study that provided patients with personalized health insights
- Observed 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, SVD, Clustering, Data wrangling

Software: R, Quarto, Python, Matlab, Github, 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