Joshua Levitt, PhD

Neuroengineer

Joshua-Levitt.com

917-703-6876

Josh.A.Levitt@gmail.com

222 Norfolk street, Cambridge, MA, 02139

Biomedical engineer specializing in neurofeedback, machine learning, and real-time signal processing. Experienced in multimodal data collection and passionate about translating neuroscience insights into new neurotech products **EDUCATION Visiting Student, Massachusetts Institute of Technology** 2023-25 Ph.D., Biomedical Engineering, Boston University 2019-25 Laura Lewis laboratory for Imaging Brain Dynamics Conducted novel EEG-fMRI sleep neurofeedback experiments Trained + deployed a Recurrent Neural Network for EEG phase prediction Built EEG-LLAMAS, an open-source MATLAB based EEG neurofeedback platform Authored and contributed to scholarly literature and conferences 2 x Assistant teacher for Intro to Programming for Engineers at BU Sc. M., Biomedical Engineering, Brown University 2015-17 Carl Saab laboratory at Center for Pain and Neural Circuits Collected and analyzed EEG from human subjects in acute & chronic pain Trained support vector machine for pain phenotype classification B.S, Biology, Bates College, Lewiston, ME 2009-13 PROFESSIONAL EXPERIENCE Clinical Research Program Coordinator, Lifespan Corporation, Providence, RI 2017-19 Carl Saab laboratory at the Center for Pain and Neural Circuits Collected EEG and accelerometer data from chronic pain patients Built an SVM to detect patients with chronic radiculopathy Research Associate, Montefiore Medical Center, Bronx, NY 2013-15 Department of Obstetrics, Gynecology, and Women's Health LEADERSHIP AND VOLUNTEERING Research + Impact Lead, Nucleate - Boston Chapter 2023-24 Collected data to map the Boston area biomedical engineering ecosystem Helped recruit activator participants and plan training events 2024 Neurophotonics Symposium Co-chair 2023 2022 Quantitative Biology and Physiology Symposium Co-Chair 2022 Planned events and recruited presenters and keynote speakers 4x Graduate student mentor – Boston University 2020-24 Helped new graduate students navigate their first year at BU HONORS, AWARDS and ACCOMPLISHMENTS Distinguished Biomedical Engineering Fellowship, Boston University 2019-20 Quantitative Biology and Physiology trainee, Boston University 2019-25 NSF research trainee: Understanding the Brain: Neurophotonics, Boston University 2020-25 Society for Neuroscience Trainee Professional Development Award recipient 2021 Authored and Co-authored 10 peer-reviewed neuroscience publications 2014-Present