

EDUCATION

Northeastern University, Boston, MA	Sept 2022 - May 2026
<i>Bachelor of Science Data Science and Behavioral Neuroscience Pathways: Computer Science, Pre-medicine</i>	
Honors & Awards: Dean's List, Northeastern Conference Travel Award 2025, Alpha Epsilon Delta Honor Society	
Activities: Writer for NU Sci Magazine (2023-Present), Mentor in Neurons Club, Women in Tech, Hall Council Treasurer (2024-2025)	

TECHNICAL SKILLS

Languages: Python, SQL, R, Java, JavaScript, HTML/CSS, React, Swift, Kotlin
Tools: Git, Linux, Jupyter Notebook, VSCode, PyCharm, SPSS, MySQL Workbench, ITK-SNAP, Figma, Jira, Adobe Creative Suite
Libraries: PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Keras

WORK EXPERIENCE

Research Engineer Cognition and Intelligence Lab, University of Miami	(Full-Time) July 2025 - Dec 2025
<i>Advisors: Dr. Mingbo Cai (Primary), Dr. Sho Tsuji</i>	(Part-Time) Jan 2026 - Present
<ul style="list-style-type: none">Designed and deployed an end-to-end automated behavioral annotation pipeline using multimodal video-language model to classify time-series parent-child interaction states from video data, achieving 90% accuracy across 500+ annotated segments and reducing manual annotation time; following software engineering best practicesEngineered prompt optimization and output parsing framework to convert generative model predictions into structured behavioral labels; developed statistical validation workflows to validate model performance against human expert annotationsPreparing first-author manuscript for ICDL Conference and open-source framework release	
Research Assistant Center for Translational Neuroimaging, Northeastern University	May 2023 - May 2024
<i>Advisors: Dr. Craig Ferris, Dr. Praveen Kulkarni</i>	
<ul style="list-style-type: none">Performed 3D neuroimaging segmentation on 50+ rodent MRI datasets using ITK-SNAP; preprocessed fMRI dataSupported pre-clinical psilocybin research for mild TBI treatment through behavioral phenotyping protocols including open-field testing, novel object recognition, animal acclimation, and gavaging	
Clinical and Hospital Intern Cleveland Clinic, Weston, FL	May 2024 - Aug 2024
<i>Primary Mentor: Dr. Samer Riaz Neurology Unit</i>	
<ul style="list-style-type: none">Analyzed neuroimaging data (EEG, MRI, CT) for 50+ epilepsy and neurological disorder cases; correlated imaging biomarkers with clinical presentations to understand diagnostic workflows and treatment planningObserved surgical procedures and participated in pre/post-operative outcome discussionsAttended interdisciplinary physician meetings focused on complex case reviews; developed understanding of how quantitative imaging metrics and clinical data interpretation inform decision systems in neurology; 400+ hours of exposure	

LEADERSHIP & ACTIVITIES

Product Manager (Contract Employee) Zor! LLC, Boston, MA	Sept 2025 - Present
<ul style="list-style-type: none">Lead cross-functional team of 10+ students across engineering, design, and business functions in agile development cycles; manage product roadmap and sprint planning for digital health management app serving 50+ beta usersDrive strategic partnerships and investment discussions with 1 venture capital firm; developed pitch deck materialsProvide UI/UX design consultation with clinical and technical focus; designed relational database schema for patient health records and conducted user research interviews with 30+ healthcare providersContribute to deep learning model for personalized health predictions; generate synthetic patient data for validation	
Teaching Assistant Northeastern University, Boston, MA	Jan 2025 - Apr 2025
<i>Professor: Dr. Leslie Ricci Course: BIOL3415 Neurobiology and Technology</i>	
<ul style="list-style-type: none">Hosted 2 weekly office hours and exam review sessions for 40+ students; provide guidance on assignments, exam prep, and research projects. Proofread course materials to refine curriculum and communicate with the professor and co-TA	
Clinical Volunteer UMC Free Clinic, Miami, FL	May 2022 - Present
<ul style="list-style-type: none">Take patient vitals and check-up paperwork. Distribute health products, food, clothing, and toy donations. Communicate in Spanish. Serving uninsured, minority, or unhoused communities. Manage and collect donation finances at annual gala events. Total ongoing 200+ volunteer hours.	

PRESENTATIONS

First-author Poster, <i>AI-based analysis of action and attention in parent-child interaction</i> , NeuroBoston–SfN Chapter	Dec 2025
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