

BRANDON ROJAS

226-08 59TH AVE | FLUSHING, 11364 | BROJASNYC@GMAIL.COM | (347) 509-4130 | BROJASNYC.GITHUB.IO

EDUCATION

Binghamton University, State University of New York, Harpur College of Arts and Science

BSc, Integrative Neuroscience

May 2018

Harvard University – HarvardX

Certificate in Data Science

July 2019

University of North Dakota

Post-Baccalaureate Coursework

March 2020 – February 2021

SKILLS

Software Development

- **Python** – Data cleaning, machine learning
Libraries include: Pandas, Numpy, Tensorflow 2.0
- **R** – Statistical analysis including regression modeling; data cleaning & visualization
Libraries include: ggplot2, dplyr (tidyverse)

PROJECTS

Brain Arcade – A rudimentary EEG-based game controller using consumer grade EEG headsets

- Improved signal accuracy of an open-source script that converts readings from a Muse branded EEG headset into keyboard inputs
- Learned how to deploy web projects using Javascript, live-server and Google Firebase
- Used this modified script to confirm that EEG based control is possible for nearly any basic browser game

Folding@Home – Washington University in St. Louis

- Founded and lead a team with 18 members, donating over 10,000 hours of distributed computing power to international COVID-19 research efforts using the Folding@Home platform by Washington University
- Team is in the top 1% of donors, currently competing closely against unofficial teams from University of Colorado Denver and Yale University

RECENT EXPERIENCE

Columbia University, Mailman School of Public Health

Development Coordinator

Upper Manhattan, NY

January 2019– Present

- Ensuring over \$30M of research and operational fundraising is appropriately received and legally compliant
- Evaluating data quality of the university fundraising database, repairing over 40% of alumni records
- Doubled alumni engagement by greatly increasing the amount of online outreach, allowing fundraising staff to secure a significant increase in alumni giving
- Supporting university fundraising initiatives, with office raising \$10M for COVID-19 research and relief

RELEVANT COURSEWORK

- **Undergraduate Level:** Research Design, Analytical Chemistry, Psychopharmacology, Stem Cell Biology, Molecular Genetics, Immunology, Machine Organization, Python, Calculus I & II, Linear Algebra

OTHER

- **Deeplearning.ai** – Certification in Deep Learning: Course instructed by Andrew Ng, Co-Founder - Google Brain, current faculty at Stanford University
- **NYS Emergency Medical Technician (EMT-B)** (Includes CPR + HIPAA Certifications)