Jared Beneroff

Software Engineer

jbeneroff.github.io/portfolio

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Summary

Software engineer with a diverse background in full stack web application development, data analysis with python, and 5 years of preclinical neuroscience research looking to work in and advance a field utilizing new technologies.

Skills

- Languages & Frameworks: JavaScript, React.js, Ruby, Rails, Python, jQuery, Node.js, Express.js, AJAX, HTML5, CSS3, APIs, Front-End, Back-End.
- Management & Deployment: Git, GitHub, Command Line, RSpec, Heroku.
- Databases: PostgreSQL, MySQL, MongoDB.
- Methodologies: Object Oriented Programming, MVC Pattern, Test-Driven Development, Responsive Design, Authentication, Wireframing, Agile Development, Scrum, Troubleshooting/Debugging.
- Scientific research experiment planning, development, operation, and data analysis.
- Analysis of MRI scans using FSL.
- Advanced computer literacy (PC and Mac, hardware and software) and proficiency with Microsoft Office.

Experience

Software Engineering Immersive Student, General Assembly **June 2021-Sept 2021**

- 12-week, 500+ hour training program focused in Git/GitHub, HTML, CSS, JavaScript, Node.js, MongoDB, SQL, Ruby, and Rails.
- **Projects:**
    - DeCryptor - Cryptocurrency forum built with Ruby on Rails and React
    - Code Doctor - Stack Overflow clone built with MongoDB, Express, React
    - NeuroLog - Neuroscience article database built with React and AirTable
    - FinView - Stock market screener built with JavaScript, HTML, CSS

Research Technician, Columbia University, Barnard College, NYSPI **Sept 2019-May 2021**

- Conducted preclinical research focusing on the mechanisms of learning with an emphasis on how time is learned and used to guide behavior.
- Developed and implemented a protocol for a novel way to implant fiber optics simultaneously with adeno-associated viruses in the brain of mice using moth silk to record the firing of neurons.
- Created an experimental method for measuring working memory in mice using a touchscreen.
- Used Python and MySQL to write programs for data analysis.

Internship, New York University Langone Health, Medhattan Urgent Care **Jan 2019-Aug 2019**

- Shadowed Dr. Leslie Miller, Medical Director of NYU Urgent Care Services.
- Assisted with patient treatment and analysis of clinical and financial data for future research publication.

Research Specialist, Medical University of South Carolina **Aug 2015-June 2017**

- Performed PCR, genotyping, animal behavior and drug exposure studies, HEK cell culture techniques, ELISA and electrophysiology in order to understand the biological processes of alcohol addiction.
- Extensive mouse colony care including husbandry, weaning, tissue collection, and euthanasia.
- Laboratory administration and record keeping for Dr. John Woodward's Neuroscience Lab.
- Contributed to research publication on Alcohol and NMDA receptors.

Research Assistant, Psychology Department, University of Delaware **Sept 2014-May 2015**

- Scheduled and consented participants, ran computer-based pattern recognition experiments, and processed behavioral data for Dr. Timothy Vickery's Cognitive Neuroscience Lab.
- Received MRI Level I Safety Training and Human Subjects Research certifications.
- Learned basic Python programming.

Education

Bachelor of Science, Neuroscience **May 2015**

University of Delaware, Newark, DE

Cumulative GPA 3.6

Dean's List **Fall 2011-Spring 2015**

University of Delaware Scholar Award **Fall 2011-Spring 2015**