Connor Brown

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Interdisciplinary researcher, designer, and developer. Experience collaborating with diverse teams, bridging the gap between technical intricacy and user-facing needs.

Skills

- Data Science (SQL, ETL, PANDAS, SEABORN, JSON, MAPREDUCE)
- Python, Java (MATPLOTLIB, DJANGO, UNIT TESTING, AGILE/LEAN TRAINED BY NSF)
- Machine Learning, A.I. (TENSORFLOW, R.L., MARKOV MODELS, BAYES NETS/NAIVE BAYES)
- Full Stack Dev, UI/UX (HTML/CSS/JAVASCRIPT, JQUERY, GIT)
- Grant/Technical Writing, Statistics (TABLEAU, MATLAB, R, A/B TESTING)

University of California, Berkeley — *Aug 2015 - May 2019*

B.A. Cognitive Science, Electrical Engineering & Computer Science Minor

- Emphases in Neuroscience, Software Engineering, and Data Science.
- GPA 3.4, Honors Candidate, thesis *in prep*.
- Relevant Coursework:
  - » Principles & Techniques of Data Science, Artificial Intelligence
  - » Data Structures and Algorithms, User Interface Design and Development
  - » Designing Information Devices and Systems I & II
  - » Structure and Interpretation of Computer Programs
  - » Discrete Mathematics and Probability Theory

Project Manager, R&D Developer -- Brain Imaging Center, UC Berkeley — *Feb 2018 - Present*

- Coordinated between two groups of professors and researchers to design and fabricate a novel neurostimulation device.
- Wrote hardware control programs for the device, while iteratively building and testing prototypes and substructures of the final version.
- Designed the quality assurance procedure for the multi-lab brain stimulation unit, quantitatively monitoring & analyzing functionality.
- Performed research and technical writing for patents, grant applications, and human subjects protocols.

Research Assistant -- Cognition and Action Lab, UC Berkeley — *Dec 2016 - Present*

- Conducted data analysis and cleaning for neural (electrocorticography) and kinematic data in Python and MatLab.
- Wrote scripts for controlling brain stimulation devices and for cleaning outcome data.
- Redesigned brain stimulation facility, built multi-device interface to streamline researcher experience.
- Ran experiments with human subjects in brain imaging and stimulation (fMRI, TMS, tDCS, EEG).

Lab Intern -- Amgen Biotech Experience — *June 2016 - Present*

- Supported biotechnology education in local high school classrooms.
- Trained teachers, prepared biological reagents, organized equipment.

Python Developer -- Berkeley Student Cooperative — *Jan 2017 - Nov 2017*

- Managed the internal database for an affordable housing nonprofit.
- Created and maintained scripts for handling the organization's wait list and housing assignments.