BRONWYN
—DUNN—

bronwynleigh@berkeley.edu | (408) 497-9510

EDUCATION

UC BERKELEY /
JUNE 2011 - JUNE 2016

Bachelor in Cognitive Science. Interdisciplinary major that blends AI, computer science, neuroscience, cognitive psychology, and linguistics. Academic highlights:

- The Structure and Interpretation of Computer Programs (Python)
- Computational Models of Cognition (Python)
- Discrete Mathematics

UNIVERSITY OF EDINBURGH /
SEPT 2015 - JUNE 2016

Academic highlights:

- Object-Oriented Programming (Java)
- Human-Computer Interaction (Java)

APP ACADEMY /
NOV 2016 - FEB 2017

Rigorous 1,000-hour full-stack programming bootcamp with < 3% acceptance rate.

SKILLS

Ruby	Python
Rails	Django
JavaScript	HTML
jQuery	CSS
React	Git
Redux	Java (learning)
SQL	

PUBLICATIONS

Comparative Analysis of Inflammatory Markers in Serum and Cerebrospinal fluid of patients with Neuromyelitis Optica. Dunn Bronwyn, Hunt J. and Han M. Stanford Institutes of Medicine Summer Research Program; Center for Clinical Sciences Research atrium: 5 Aug 2010

PROJECTS

INHERITAGE / FEB 2017

Software Engineer (Python, Django, React). *A single-page web app for visualizing genetic variation in populations.*

- Implemented a Django REST framework, allowing users to create and access their user profile
- Utilized Google Maps API to visualize user ethnic location
- Optimized database queries using Django's ORM
- Implemented the Recharts library to display dynamic graphs

CURATE / JAN 2017

Solo Developer (Rails, React, Redux).

- Implemented AJAX requests which update React components in real time
- Created custom SQL queries on ActiveRecord for search functionality via query strings
- Utilized Cloudinary API to allow users to upload photos and store images in the cloud to reduce server load
- Created a React reusable component for sidebar navigation Implemented secure account creation and login

FLEXBOX FLAMINGOS / JAN 2017

Solo Developer (Javascript, React). *A web tutorial game which teaches the user how to use CSS flexbox.*

- Created a pseudo-console where users directly manipulate the DOM through CSS commands
- Implemented click-handlers which check for the correct CSS commands and permit the user to move to the next stage

WORK EXPERIENCE

CENGAGE LEARNING / JUNE 2015 - AUG 2015
UX/UI Designer Intern.

- Spearheaded user research, usability testing, and data analysis (quant and qual) to identify key insights into Cengage's online learning platform
- Identified business goals and user needs and told compelling stories about user problems and potential solutions through various methods such as customer journey maps
- Collaborated with the junior and senior designer to create wireframes and mockups

STANFORD BEHAVIORAL AND FUNCTIONAL NEUROSCIENCE LABORATORY / JUNE 2014 - AUG 2014
Research Assistant.

- Translational research to discover and develop novel therapeutics for CNS diseases, with Bitna Yi, PharmD, Ph.D.
- Investigated mechanisms underlying neurodegeneration and translated laboratory findings into new therapeutic strategies
- Performed various kinds of data analysis