



BRANDON DAVID

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

B.S. Electrical Engineering & Computer Science
Expected Graduation - 2021
GPA: 3.5

RELEVANT COURSEWORK

CS61A, *Computer Programs* (Python, SQL, Scheme)
CS61B, *Data Structures* (Java)
CS198-001, *iOS Development* (Swift)
EE16A, *Designing Information Devices and Systems I*
EE16B, *Designing Information Devices and Systems II*

SKILLS

COMPUTER SCIENCE

- JAVA
- PYTHON
- SWIFT
- SQL
- C
- SCHEME

WEB DESIGN AND DEVELOPMENT

- HTML/CSS
- JAVASCRIPT
- SKETCH

ADOBE CREATIVE CLOUD

- PHOTOSHOP
- ILLUSTRATOR
- XD
- INDESIGN
- PREMIERE PRO

EXPERIENCE

SOFTWARE ENGINEER INTERN

JUNE 2018 - PRESENT

HERE TECHNOLOGIES

- Incoming intern, Highly Automated Driving (HAD) Team.

STUDENT INSTRUCTOR UI/UX DESIGNER

SEPTEMBER 2018 - FUTURE

SEPTEMBER 2017 - MAY 2018

INNOVATIVE DESIGN

- Leads weekly Introduction to Adobe Photoshop and Illustrator class of 30 students.
- User interface and user experience designer for UC Berkeley's premier creative agency.
- Created logos, flyers, and other publication designs for on-campus clubs and organizations.

ACADEMIC INTERN

JANUARY 2018 - MAY 2018

UC BERKELEY COMPUTER SCIENCE

- Assisted UC Berkeley computer science students in introductory computer science course using Python, Scheme, and SQL.
- Worked directly with students to develop their understanding of fundamental concepts.
- Facilitated lab sections and office hours with graduate student instructors.

RESEARCH ASSISTANT

JUNE 2016 - AUGUST 2016

UCLA CIVIL AND ENVIRONMENTAL ENGINEERING

- Worked alongside UCLA graduate students in geotechnical engineering lab.
- Conducted research and analysis on the engineering properties of fine-grained soils.
- Recognized for best presentation in program of 50+ participants.
- Created website for UCLA Geotechnical Engineering PhD candidate.

PROJECTS

HABBIT

MARCH 2018 - PRESENT

<https://github.com/brandonhudavid/ios-custom-app>

- iOS mobile app, allows users to set and fulfill goals by tracking how often they keep up with healthy habits.
- Uses Firebase to store user habits, days performed, and other data.
- Created MVC architecture, backend structure, logo, color scheme, and user interface.
- Best Design award, iOS Decal Spring 2018.

WEBSITE REDESIGN

MARCH 2018 - PRESENT

- Creating high-fidelity website mockups for Life Science Discovery Research platform using Sketch.
- Designed landing page and search interface that utilizes machine learning algorithms.

HIRA

MARCH 2018 - APRIL 2018

<https://github.com/recurza/hira>
<https://devpost.com/software/hira>

- Web application, uses Web Speech API to convert audible lectures to editable text notes.
- Developed backend server for storing lecture notes and user preferences.
- Created at LA Hacks 2018.

IMAGECOLORSORT

DECEMBER 2017 - JANUARY 2018

<https://github.com/brandonhudavid/ImageColorSort>

- Multi-functional image processing Python script with GUI that analyzes pixel hues within images.
- Utilizes Tkinter to create GUI and Pillow, a Python imaging library, to process image data.