



# BRANDON DAVID

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, BERKELEY

B.S. Electrical Engineering & Computer Science  
Expected Graduation - Spring 2021  
Technical GPA: 3.54

#### RELEVANT COURSEWORK

[current] CS160 - *UI Design & Dev* (Android Studio)  
[current] CS61C - *Computer Architecture* (C)  
[current] CS70 - *Discrete Math & Probability*  
CS61B - *Data Structures* (Java)  
CS198-001 - *iOS Development* (Swift)  
CS61A - *Computer Programs* (Python, SQL, Scheme)  
DESINV198 - *Graphic Design Principles* (PSD, AI)  
EE16A/B - *Linear Algebra, Circuits, Systems*  
MATH53 - *Multivariable Calculus*

## SKILLS

### COMPUTER SCIENCE

- PYTHON, SWIFT, JAVA, SQL, MONGODB, C, SCHEME

### WEB DESIGN/DEVELOPMENT

- HTML, CSS, JAVASCRIPT, NODEJS, SKETCH

### ADOBE CREATIVE CLOUD

- PHOTOSHOP, ILLUSTRATOR, XD, PREMIERE PRO, INDESIGN, AFTER EFFECTS

## AWARDS

### BEST DESIGN

SPRING 2018

#### iOS DECAL SPRING SHOWCASE

- Developed iOS mobile app with custom icons and rabbit-themed interface.
- Best iOS mobile app design of 37 undergraduate teams.

### 1ST PLACE

SPRING 2017

#### WHS PTSA BROCHURE DESIGN CONTEST

- Designed a brochure intended for international representatives visiting Whitney High School.
- Best brochure from class of 160 students.

### HONORABLE MENTION

SUMMER 2016

#### UCLA SUMMER RESEARCH PROGRAM

- Recognized for civil engineering research presentation in program of 50 participants.

## EXPERIENCE

### RESEARCH ENGINEER INTERN

JUNE 2018 - AUGUST 2018

#### HERE TECHNOLOGIES

- Developed visualization tools utilized by PhD computer vision researchers and autonomous vehicles.
- Refactored Python codebase to optimize algorithm performance.
- Ideated, designed, and developed iOS app concept that utilizes company SDK to help users safely travel from start to destination.

### STUDENT INSTRUCTOR

MAY 2018 - PRESENT

#### UI/UX DESIGNER

SEPTEMBER 2017 - MAY 2018

#### INNOVATIVE DESIGN

- Leads weekly Introduction to Adobe Photoshop and Illustrator class of 20 students.
- Created logos, publications, web designs, and prototypes for UC Berkeley's premier creative agency.
- Attended weekly meetings for draft critique and client consultation.

### 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 to conduct research and analysis on the engineering properties of fine-grained soils.
- Created website for UCLA Geotechnical Engineering PhD candidate.
- Began development of UCLA Civil and Environmental Engineering database, storing information about engineering properties of soils.

## PROJECTS

### LIFE SCIENCE RESEARCH

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.

### HABBIT

MARCH 2018 - MAY 2018

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

- iOS mobile app that allows users to set and fulfill goals by tracking how often they perform healthy habits.
- Uses Firebase to store user habits, days performed, and other data.

### HIRA

MARCH 2018 - APRIL 2018

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

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