

EDUCATION

- **University of California-Berkeley** Berkeley, CA
Bachelor of Art-Computer Science; GPA: 3.5 *Aug. 2017 – Spring. 2021*
Relevant Coursework: Structure and Interpretation of Computer Programs, Data Structures, Designing Information Devices and Systems I, Discrete Mathematics and Probability Theory, Foundations of Data Science, Machine Structures

PROGRAMMING SKILLS

- **Languages:** Python, Java, Ruby on Rails, SQL, Scheme, HTML, CSS, Javascript, C

PROJECTS

- **Beehive** *September 2018 - Present*
 - **Ruby on Rails** Application/platform that allows undergraduates to find research projects.
 - Ongoing project with team of Full Stack developers to redevelop mainframe.
- **Durant Loft** *April 2018 - May 2018*
 - Developed **Ruby on Rails** Application for church communities to connect individual members, plan events, etc.
 - Developed forms for users to host events and manage transportation. Also implemented authentication access using the *devise* RubyGem.
- **Bear Maps** *March 2018 - April 2018*
 - **Java** web mapping application that allows users to find directions from one place to another.
 - Implemented route searching using the A* algorithm and graph node relationships.
 - Implemented user input Autocompletion and Searches using Trie Data structures to optimize runtime.
- **B.Y.O.G.(Build Your Own Game)** *February 2018 - March 2018*
 - **Java** game engine application that uses the BSP Tree algorithm to generate dungeon based rooms within a given space for videogames.

EXPERIENCE

- **Ruby on Rails Decal Course** Berkeley, CA
Teaching Assistant *September 2018 - Present*
 - Currently assisting with office hours, helping plan lessons, and advising students for in-class projects.
- **Computer Science Mentors (CSM)** Berkeley, CA
Data Structures(CS61B) Tutor *September 2018 - Present*
 - Teaching a group of 4-5 Data Structure(CS61B) students with the use of mini-lectures and problem-based worksheets.
- **Computer Science Academic Intern** Berkeley, CA
Lab Assistant *Jan 2018 - August 2018*
 - Helped students in office hours and labs with problems regarding **Python** and **Java** for courses, Data Structures(CS61B) and Structure and Interpretation of Computer Programs(CS61A).

ACTIVITIES

- **ASUC OCTO(Associated Students of the University of California-Office of Chief Technology Officer)**
Full Stack Developer
 - An organization dedicated to developing software for the UC Berkeley undergraduate community.
 - Currently part of Beehive team for the Beehiveve app that brings research opportunities to the undergraduate community.
- **Computer Science Mentors(CSM)**
Junior Mentor
 - CSM is a student-run organization that provides guidance and resources in a smaller classroom environment through group tutoring sessions.
 - Teaching a group of 4-5 students with the use of mini-lectures and problem-based worksheets