Joshua Yang

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EDUCATION

University of California, Berkeley | Berkeley, CA

Bachelor of Arts in Computer Science   **May 2021**

Coursework: Data Structures, Algorithms, Discrete Mathematics and Probability Theory,   **GPA: 3.3**
Machine Structures, Introduction to Artificial Intelligence

PROJECTS

TutorMatch | **MongoDB Stitch, HTML/CSS/JS**

o   Created a web application from scratch that matches tutors and students based on need and location

o   Developed using MongoDB Stitch for backend to optimally match users based on their user data

o   Implemented front end web pages using HTML/CSS/JS for users to see tutor/student availability

Beehive | **Ruby on Rails, PosgreSQL**

o   Developed a web application for a platform where over 8000 users can find research projects at UC-Berkeley

o   Ongoing project with team of full-stack developers to refactor outdated code from the open-source Beehive repo

o   Developed automated system to send email directly to research employer upon a submitted application

Durant Loft | **Ruby on Rails**

o   Developed Ruby on Rails app for church community to connect individual members, plan events, and organize rides

o   Implemented authentication using the devise Ruby Gem to allow for secure and hierarchical access of user data

o   Developed forms for users to efficiently manage their events and transportation arrangements

ACTIVITIES AND EXPERIENCE

Ruby on Rails Course | **TA**   **August 2018 – December 2018**

o   Developed course curriculum and course guides for Ruby Gems for current and future students.

o   Planned projects and lecture material that was used for a class of 100+ people for

o   Held weekly office hours to help students better understand curriculum and gain skills as developers

Computer Science Mentors (CSM) | **Tutor**   **August 2018 – Present**

o   Taught weekly sections for small groups of 5 students as a supplement to the Data Structures course (CS61B)

o   Assisted in creating review slides and course content regarding trees, graphs, search/sorting algorithms

UC Berkeley EECS Department | **Academic Intern**   **January 2018 – August 2018**

o   Lead lab along with a TA to help students debug in Python/Java for Intro to CS (CS61A) and Data Structures (CS61B)

o   Hosted office hours to resolve student misconceptions and help reinforce course material

SKILLS AND INTERESTS

Technical skills: Java, Python, C, HTML/CSS, JS, React, Ruby on Rails, SQL

Interests: Traveling, Biking, Fishing, Videogames