

EDUCATION

Berkeley, CA	University of California, Berkeley	May 2022
<ul style="list-style-type: none">• Bachelor's: Computer Science Major, Data Science Minor, Entrepreneurship and Technology Certificate• Cumulative GPA: 3.5/4.0• Coursework: CS 61a/61b/70: Comp Programs, Algorithms, Discrete Math; IndEng 185: Data Driven Business Models• Extracurricular: Lead Developer at ASUC OCTO (Berkeley Mobile), Member at IEEE, Instructor at Juni Learning		

EMPLOYMENT

Undergraduate Research Assistant	University of California, Berkeley	Jan 2020 –
<ul style="list-style-type: none">• Building a secure full-stack web application to manage EV charging with MEAN architecture and responsive UI design with deployment on Google App Engine.• Building data pipelines between the MongoDB database and EV microcontrollers and the Kitu application.• Coordinating with the algorithms team, the remote industrial team (Kitu), and the chemical team (product) to properly consolidate all features and business logic into a deployable product.		
Lead Developer	Berkeley Mobile (Extra-Curricular)	Sep 2019 –
<ul style="list-style-type: none">• Revamping Berkeley's official campus app to a newer cross-platform UI friendly technology (React Native).• Leading the redesign and implementation efforts, focusing on feedback from user research and usability testing.• Building web scraper scripts in Python and BeautifulSoup to build data for the Firebase database.		
Software Engineering Intern (Part-Time)	Wymbo, Inc.	Sep 2019 – Dec 2019
<ul style="list-style-type: none">• Solved pertinent issues relating to event creation bugs and solution of edge cases on the ReactJS website.• Solved blocker for Firebase and Live Reload dependency issues in React Native for the Android version leading to a successful initial release.		
Software Engineering Intern	Hewlett Packard Enterprise	Jun 2018 – Aug 2019
<ul style="list-style-type: none">• Built time-efficient analysis and profile reports over gigabytes of data of open source vulnerabilities and customer data with Node.js to help secure additional funding for an internal open source tracking application.• Added additional features and UI updates to an internal open source tracking application which was written in VB.NET and JavaScript to increase user experience. Worked under an Agile workflow.• Created a CRUD desktop GUI with Python (Tkinter) to manage sensitive product data and wrote a script to automate its data cleansing, saving 2 hr/week of tedious manual labor.		

PROJECTS

- **Memory Bank** (2019). A Facebook Messenger Bot that provides analytics within a messenger group. Node.js, Dialogflow, Botbuilder. *Presented at Microsoft MiniBot Hackathon*
- **Choices** (2019). An iOS and Android app which recommends menu items to try from an image of a menu based on their taste palette and restaurant reviews. React Native, Python (Django), GCP. *Presented at CalHacks 6*
- **Close Cash** (2019). A peer-to-peer ATM System with bank-like security that match tellers to receivers. MongoDB, Express, React Native, Node.js. **Awarded Best Financial Hack at HackRice 9.**
- **Steel Talon Robotics** (2016-2019). An FRC high school robotics team where I led the team in autonomous motion path planning and vision processing. Java, Python. **Awarded 1st Place at FIRST Texas Competition**
- **Contest Management System** (2018). A tool to manage local CS contests which evaluates Java submissions, handles judging and streamlines concessions. PHP, MySQL, Java.

CERTIFICATIONS, LANGUAGES AND TECHNOLOGIES

- Intel Edge AI Scholarship Foundation, Google Cloud Platforms: Core Infrastructure
- Python (Django), Node.js, React, React Native, Java, HTML, CSS, Angular, Express, MongoDB, SQL, PHP, VB.NET
- Git, Jira (Agile), Firebase, Android Studio, Visual Studios, PID, OpenCV, Raspberry Pi