Colin Zhou

(510) 926-7064
colinzhou@berkeley.edu
github.com/ZhouColin
colinknz.com

Education

Candidate for **B.A., Computer Science**

UC Berkeley, Expected May 2021

Relevant Coursework

The Structure and Interpretation of Computer Programs • Data Structures • Discrete Mathematics and Probability Theory • Great Ideas in Computer Architecture

Technical

Programming

React • React Native • Java • Kotlin • Javascript • Swift • Python • Firebase • Flask • HTML • CSS

Design

Photoshop CC • Illustrator • InDesign • Figma

Experience

Software Engineer Intern

- **Crowdbotics** June 2019 - August 2019
  - Used React Native, Javascript and CSS to develop blueprints with React Cookiecutter of common web app features such as messaging (customers could add a chat system in their app). Full list can be found on my website.
  - Implemented a blueprint that allowed customers to add map navigation through Google Maps and travel to destinations.
  - Increased app installation speeds by 12% by fixing bugs in the web app's Heroku configuration of Docker server environment.
  - Fixed a runtime issue with Crowdbotic's mobile app deployment using CircleCI's Local CLI feature which enabled perfect rendering of all blueprints.
  - Worked closely with the team in early product phases to facilitate agile development methodology.
  - Designed, developed, and tested new features for React project releases to be used by over 20 customer teams.

Tech Project Lead

- **Upsync Berkeley** September 2018 - Present **@upsyncberkeley.com**
  - Led a team of 5 college students to develop the iOS app for Cambi, a merchandise app that grants users loyalty points from online purchases in local stores in San Francisco. Increased overall customer sales by 19%.
  - Led training workshops in React, Swift and CSS for team and organization members.
- **Better Sports Corporation** August 2019 - December 2019 **@bettersports.com**
  - Led a team of 6 college students in working with React development team and developed company's website using HTML, CSS and Javascript. Fixed 9 deployment bugs which allowed for first beta release on schedule.
  - Used React to design and test the frontend skeleton; helped plan and connect the GraphQL backend.

Academic Intern **UC Berkeley Department of EECS** December 2018 - May 2019

- Shadowed TAs in labs and office hours for CS61A: Structure and Interpretation of Computer Programs.
- Assisted over 200 students in course assignments in Python, SQL, and Scheme.

Projects

InDemand Parking **@github.com/ZhouColin/indemand-parking**

- React app that offers an Airbnb style service for street parking. Developed the backend user database and requests using Java. Used Python and Flask for data analysis. Used React to connect to the machine learning microservice.

BlueBook **@github.com/ZhouColin/BlueBook**

- Developed a React Native app that combines 7+ blueprinted features for efficient app creation such as Google Maps, Camera, Login, Firebase and more. Developed using Javascript, Cookiecutter, Swift and Kotlin.

pHeed **@github.com/ZhouColin/pHeed**

- Created a React Native app that 'detoxifies' one's Twitter feed by analyzing all Twitter accounts a user follows and scans for negative tone and language using Google's sentiment analysis. Developed the React Native frontend and Kotlin backend.

Project SID **@github.com/jackyzha0/pennappsxx**

- Worked on an autonomous Tello drone swarm that uses Keras API to detect marine debris. Implemented the React frontend using Javascript, HTML and CSS and helped develop the Python Flask backend.