

BETHANY BIN

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Based in SF Bay Area and San Diego

OBJECTIVE

To secure a software engineering internship in Fall 2019
Incoming Software Engineering Intern at Apple - Summer 2019

EDUCATION

University of California,
San Diego

- B.S. Mathematics - Computer Science
- Expected Graduation Date: June 2020
- Major GPA: 3.4
- Provost Honors
- Advanced Data Structures (CSE 100)
- Software Engineering (CSE 110)
- Design and Analysis Algorithms (CSE 101)
- Computer Operating Systems (CSE 120)

EXPERIENCE

UCSD Information Technology Services

July 2018 - Present

- Mobile and web developer for the official UCSD mobile app
- Use React Native and React to develop for both iOS and Android
- Help create REST API used for administration to send messages to students
- Implemented notifications UI for the messaging API
- Assist implementation of parking API to allow users to check availability of parking spots
- Lead a team of 3 students to implement tutoring schedule with messaging API using the Agile approach

Codepath iOS Bootcamp

January 2018 - May 2018

- Engaged in a 12 week iOS bootcamp learning Swift and mobile development design principles
- Recreated apps such as Yelp, Instagram, Twitter, and Flix
- Worked in a group of 4 on an iOS application that allowed users check-in and chat at certain geographic locations. Used Google Map and Yelp API for commercial shop locations. Used Firebase for backend.

UCSD Teaching + Learning Commons

August 2017 - Present

- Supplemental Instruction Leader/Tutor for math and computer science classes
- Write lesson plans that include exercises and activities to engage students
- Lead and facilitate discussion sessions up to 80 students.
- Classes supported: Multivariable Calculus, Vector Calculus, Linear Algebra, and Intro to Java

PROJECTS

Poke Bar Berkeley (Swift)

May 2018 - Present

- Developed iPhone/iPad app for Poke Bar in Berkeley to take user orders
- Implemented Stripe API to securely take customer payment
- Wrote Firebase Cloud Functions in Node.js to communicate with Stripe API
- Implemented push notifications through Firebase backend
- Automated order printing at the restaurant with Epson receipt printer
- Estimated 600 transaction per month

Available on iTunes App Store



NBA Stats Predictor (Python)

September 2018 - Present

- Create databases of NBA teams and players data from basketball-reference.com
- Use scikit-learn to analyze datasets with linear, support vector, and random forest regression
- Predict Golden State Warriors 2018-2019 final record, total points, assist and rebounds

Cube Solver (Java/Javascript)

November 2017 - May 2018

- Developed program to solve a 3x3 Rubik's Cube
- Asks for user input of colors and returns steps to solve the cube

SKILLS

Swift, Python, Java, Javascript, React/Redux, C/C++, HTML/CSS, MATLAB, Bash