

# Cameron Colleran

cameroncolleran3@berkeley.edu | linkedin.com/in/cameroncolleran | github.com/CameronColleran

## EDUCATION

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### University of California, Berkeley

Berkeley, CA

*B.S. in Electrical Engineering and Computer Science (GPA: 3.40/4.00)*

*Expected Graduation: Dec 2023*

## EXPERIENCE

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### Software Engineer Intern

May 2022 – July 2022

*Olive AI*

*Remote*

- Utilized TypeScript along with Puppeteer, Sequelize, and Docker to create a robust, multi-tiered service to automate manual processes for hospital administrators across the United States, saving hundreds of hours of total work per week
- Worked on team of engineers in agile environment to develop and implement a Minimum Viable Product (MVP) to serve needs and requirements of new client
- Created rich end-to-end testing of product's entire workflow and CRUD cycle using replicated mock data
- Communicated and translated the technical details and requirements of the MVP to Product Owners, and presented multiple demos and updates of the product to Project Managers and Executives throughout development cycle

### Computer Science Tutor

January 2021 – May 2021

*MiraCosta College*

*Oceanside, CA*

- Tutored struggling, average, and advanced students in Computer Science courses and concepts, from basic programming to data structures and computer architecture
- Explored advanced topics with knowledgeable students, including how to leverage software and online tools to enhance learning and improve projects
- Identified learning needs and implemented fun and engaging learning activities to help students advance their skills

## PROJECTS

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### Water Doctor | *Java, Android Studio, SQLite, Google Maps API*

- Developed a full-stack mobile application using Java/Android Studio to interface with an external sensor in determining water quality and drink-ability
- Used an SQLite database to save test data persistently
- Implemented a visual map overview using the Google Maps API in order to exhibit tests in specific areas
- Presented app and sensor to judges at Berkeley's T-PREP Design Expo, was selected as best overall product

### Better Weather Bot | *Python, Tweepy, Open Weather Map API*

- Created a Twitter bot which responds to mentions with the weather in their specified location
- Used Python along with Tweepy/Twitter API and the Open Weather Map API to get and retrieve data to and from Twitter
- Utilized PythonAnywhere to continuously host and run code in order to respond to incoming tweets

### Pokedex | *Java, Android Studio, SQLite, Picasso*

- Developed an android application allowing user to view all existing Pokemon and their corresponding statistics
- Kept data up-to-date by calling GitHub API for JSON data from existing open-source repository
- Used Picasso to retrieve corresponding pictures of each Pokemon

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## TECHNICAL SKILLS

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**Languages:** Java, Python, C, C++, TypeScript, JavaScript, HTML, CSS, SQL

**Frameworks:** Android SDK, Node.js, Express.js, JUnit, Sequelize

**Developer Tools:** Git, VS Code, Command Line, GitLab, GitHub PyCharm, IntelliJ, CLion

**Libraries:** Puppeteer, Bootstrap, NumPy, NPM