# Darren Lee

415-699-7493 | darrenlee6289@gmail.com | linkedin.com/in/darren-lee181 | github.com/DarrenTef | Sunnyvale

## EDUCATION

**University of California, Santa Cruz** — Santa Cruz, CA
*Bachelor's of Science (B.S.) in Computer Science., GPA 3.6* — *Sep. 2021 - Dec. 2024*
- **Dean's Honor**: Spring 2022, Summer 2024

## EXPERIENCE

**Code Coach** — Feb. 2025 – Present
*theCoderSchool (Part-Time)* — *Palo Alto, CA*
- Teach **programming fundamentals** to students ages 8-17, using languages such as **Python**, **JavaScript**, **HTML/CSS**, and **Scratch**
- Adapt teaching approach based on each student's learning style, interests, and skill level
- Help students work through programming projects, focusing on **problem-solving** and computational thinking
- Communicate regularly with parents about their child's progress and areas for improvement

**Software Developer** — April 2024 – June 2024
*University of California, Santa Cruz* — *Santa Cruz, CA*
- Developed **React Native mobile app** incorporating Google's **Firebase** for storing data, Google's Machine Learning package (MLKit), Text Recognition v2 for OCR(Optical Character Recognition) on receipts, pre-processing and post-processing of data, and a live drag and drop in-app document scanner
- Collaborated in the **agile development** process, contributing ideas to release plans, making user stories and tasks for sprint plans, leading discussions in stand-up meetings and sprint reviews
- Demonstrated strong **communication skills** and cohesion within a small team of 5 to achieve collective goals
- Documented changes in code, spikes, infrastructure, and three-tier architecture
- Researched numerous OCR programs in order to optimize runtime performance by over **600** percent

**Product Owner** — April 2024 – June 2024
*University of California, Santa Cruz* — *Santa Cruz, CA*
- Defined product visions for four two-week **sprints** of goals and ideas of the *Receipt Mobile App*
- Maintained product backlog using *Jira* based on feedback, needs, and changes
- Guided **development team of five** using the Agile software development techniques to prioritize tasks, refine requirements, and continuously adapting to feedback.
- Facilitated daily stand-up meetings to foster collaboration and track progress
- Presented product to an audience of over **200** individuals

## PROJECTS

**Receipt Mobile App** | *React Native, Firebase, TS/JS, MLKit SDK, Git* — April 2024 - June 2024
- Developed a **full-stack mobile application** capable of scanning and splitting the cost of receipts for users
- Developed clean **UI/UX with React Native** on the **front-end**
- Integrated a React Native live document scanner to extract receipts
- Contributed to a verification screen, post-processing of MLKit's computer vision outputs on Costco, Safeway, and generic brand receipts, handled the splitting of items to users,
- Used platforms like **Firebase** and Development environments like **Android Studio** and Visual Studio Code in conjunction with **GitHub** version control

**Full-Stack Slack Web App** | *React Native, Postgres, Nodejs, OpenApi, Express, JS, Mui* — Jan 2023 - March 2023
- Created a Slack inspired Mobile **Web App** within a 5-week span incorporating **test-driven development**
- Stored user data using **PostgreSQL**, exposed an authenticated OpenAPI restricted **RESTful** interface, wrote UI in React and Google's MUI
- Maintained 100 percent **code coverage** throughout the whole app, with **quality assurance** in mind

## TECHNICAL SKILLS

**Languages/Fundamentals**: **Python**, **JavaScript**, **C/C++**, Typescript, , Java, HTML/CSS, Yaml, **Data Structures**
**Frameworks**: **React**, React Native, Jest, Pupeteer, MLkit SDK, **NodeJs**, **Express**, **MUI**, **Firebase**, tesseract OCR, easy OCR, Scikit-learn, tesseract API
**Developer Tools**: **GitHub**, Visual Studio Code, Docker, Android Studio, PyCharm, Google Collab, Linux CLI
**Libraries/Tools**:**PostgreSQL**, YAML, OpenApi, Opencv, regex, NumPy, PIL, pandas, Matplotlib