

PARAN SONTHALIA

[Contact](#)

Portfolio Website: <http://paransonthalia.com/>

GitHub: <https://github.com/psonthalia>

Seeking Software Engineering Internship

EDUCATION

- Pursuing Bachelor's Degree in Computer Science and Data Science at UC Berkeley Class of 2022
- Courseware - Fall Semester: The Structure and Interpretation of Computer Programs (CS 61A) and Foundations of Data Science (Data 8)
- Spring Semester: Data Structures (CS 61B) and Designing Information Devices and Systems I (EE16A)

ACADEMIC ACTIVITIES

- Systems and Controls engineer in UC Berkeley Hyperloop: A highly selective group of students designing and building a hyperloop scale model to compete at SpaceX headquarters
- Hackathons: Building projects and competing in large scale hackathons
- Programming Instructor: Getting young kids excited about programming; conducting workshops at various conferences including [Oracle Open World](#), [JavaOne4Kids](#), [Code4Kids](#), [Silicon Valley Code Camp](#), [Devbox4Kids](#) and [CoderDojo](#)

PROGRAMMING SKILLS

- Languages: Python, Java, ReactJS, JavaScript, Salesforce force.com APEX, HTML, CSS, C#, Scheme
- App Development: XCode (Swift, Objective-C), Android Studio (Java), React Native, Unity
- Databases: Firebase, XML, JSON

WORK EXPERIENCE

- **Founder – Mango Apps, Mountain View, CA** **Jun 2016 – Present**
 - Develop apps to solve social issues
 - Internship program for high schoolers: Built a team of high school interns and over the course of each summer we built a new project (iOS, Android, and web) from inception to completion
 - Currently working to complete existing projects and starting new ones
- **Software Engineering Intern – Selecterra, Sunnyvale, CA** **Jun 2018 – Aug 2018**
 - Helped integrate functionality to view current leads on a map of the territory using APEX, JavaScript, HTML/CSS, and Leaflet
 - Helped map territories and avoid conflicts
- **Software Engineering Intern – [LeanData](#), Sunnyvale, CA** **Jun 2017 – Aug 2017**
 - Learned the Agile development methodology and participated in daily SCRUM calls
 - Designed and developed the capability to cap the number of leads to be run through the round robin, to only allow leads to be run during working hours, the ability to round robin a custom field, and fixing the existing production defects. Backend was built using APEX and frontend using JavaScript and HTML/CSS

PROJECTS

- [Wasteshot](#): Won **Fellowship** (UC's incubation program) at Cal Hacks and received \$1000 in funding plus admittance into a 12-week mentorship program to take Wasteshot further. Its built using Raspberry Pi, Camera, and a web app to take photos of the trash every couple minutes and analyze the photos to figure out what was being thrown away the most. Approved to run a pilot program with UC's cafeteria to reduce waste
- **Scheme interpreter**: Scheme is a LISP language and I wrote an interpreter in Python to evaluate Scheme code using the methodology of a Read Eval Print Loop (REPL)
- [College App Planner](#): Created a free web app for high school seniors to select colleges and plan your

college apps, currently being used by MVHS and other users

- **RoBotany:** Won **1st Place** at Los Altos Hacks. This project is to improve results of home gardening. We designed our own sensors to monitor real-time moisture levels using a mobile app. This project was built using Raspberry Pi, phone camera, Google Vision, and the iOS app uses ARKit and location services
- **Droid Control:** Won **Top 3** at Menlo Hacks. The objective of this project was to help kids learn to program without having to buy a third-party tool. The iOS app uses ARKit to display a maze with your player in Augmented Reality (AR) and in the web app, you could design a custom level
- **Auxilium Health:** Awarded **1st Place** in the Mountain View App Competition. It reminds a patient to take the medicine on time. Patient could take a photo of the medication label to analyze the text using Google Cloud Vision, so you know exactly when to take a medication
- **Mountain View Art:** Selected among the **top ten** in Mountain View App Challenge and recognized by **Mayor** of City of Mountain View. The app showcases citywide artwork using the Google Maps API and an XML database

OTHER ACTIVITIES

- Boys Scouts of America - **Achieved Eagle Rank**, Now mentoring young scouts; leading Programming merit badge and Cyberchip
- [Xcelerate](#): Review supercars on my YouTube channel; invited by San Francisco and Silicon Valley auto shows to review the latest models since 2017
- Founder and Director of **Mountain View Hacks**: annual hackathon for high school students