

PARAN SONTHALIA

[Contact](#)

Portfolio Website: <http://paransonthalia.com/> • GitHub: <https://github.com/psonthalia>

EDUCATION

- Pursuing Bachelor's Degree in Computer Science and Data Science at **UC Berkeley Class of 2022**
- Courseware: Data Structures (CS 61B), Foundations of Data Science (Data 8), Designing Information Devices and Systems I (EE16A)
- Current Semester: Great Ideas of Computer Architecture (CS61C), Principles & Techniques of Data Science (Data 100), Discrete Mathematics and Probability Theory (CS70)
- **4.0 Computer Science GPA**

TECHNICAL SKILLS

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

WORK EXPERIENCE

- **Software Engineering Intern – Pivotal Software, Palo Alto, CA** **May 2019 – August 2019**
 - Worked in the Release Engineering Team for PKS (Agile, Pair Programming)
 - Used CI tools, Ruby, Bash, and Go to automate the shipping process of a new release
- **Research Apprentice, Data Science – UC Berkeley** **Jan 2019 – May 2019**
 - Worked with data for renewable energy and transportation to explore different statistics
 - Distinguished Professor, Daniel Kammen (Former Science Envoy for the State Department)
- **Cofounder – DeWaste, Berkeley, CA** **November 2018 – Present**
 - Won **Fellowship** at Cal Hacks. Received funding and admittance into a mentorship program. It takes photos of food waste and analyzes them to help reduce waste.
 - Currently used at UC Berkeley, UC Riverside, and UC Davis
- **Course Staff, CS61A – UC Berkeley** **Jan 2019 – May 2019**
 - Held office hours for CS61A and assisting students during lab section to help with coursework
- **Software Engineering Intern – LeanData, Sunnyvale, CA** **Jun 2017 – Aug 2017**
 - Designed and developed additional features for round robin and fixed the existing production defects. Built with APEX, JavaScript, and HTML/CSS

PROJECTS

- **TrashCam**: Won 5 Prizes at LA Hacks. A self-sorting trash can which takes a photo of the item and then sorts the trash into its respective bin. Used a Raspberry Pi with camera and servos in a cardboard box
- **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
- **Auxilium Health**: Awarded **1st Place** in the Mountain View App Competition. The user takes a photo of the prescription and the app analyzes the text to send reminders to take the medication on time
- **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

ACTIVITIES

- Software Engineer, **UC Berkeley Hyperloop**: Building hyperloop model to compete at **SpaceX** headquarters
- Programming Instructor: Getting young kids excited about programming; conducting workshops at various conferences including [Oracle Open World](#), [JavaOne4Kids](#), [SVCC](#), [Devoxx4Kids](#) and more
- **Eagle Scout, Boys Scouts of America**: Now mentoring young scouts
- [Xcelerate Reviews](#): Reviewing supercars on YouTube