PARAN SONTHALIA

[Contact](https://paransonthalia.com/#contactMe)

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: Algorithms (CS170), Probability (EE126), Data Structures (CS 61­B), Data Science (Data 100), Circuits and Linear Algebra (EE16A & EE16B), Computer Architecture (CS61C), Discrete Math (CS70)
* Current Semester: Computer Security (CS161), Artificial Intelligence (CS188), Databases (CS186)
* **4.0 Computer Science GPA**

**TECHNICAL SKILLS**

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

**WORK EXPERIENCE**

* **Cofounder – DeWaste, Berkeley, CA November 2018 – Present**
  + Won **Fellowship** at Cal Hacks. Take and analyze photos of food waste to help reduce waste
  + Currently used at UC Berkeley, UC Riverside, and UC Davis
  + Y Combinator Interview Candidate and recipient of Y Combinator Startup School Grant
  + Interviewed and recruited 17 interns for the course of the semester
* **Data Science Intern – Amazon, Sunnyvale, CA May 2020 – August 2020**
  + Worked in the Connectivity team for Devices and Services
  + Automated analysis on device data and predictions to reduce customer service interactions
* **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)
* **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 and fixed existing bugs. Built with APEX and JavaScript

**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**

* **Computer Science Mentor**: Mentoring students in UC Berkeley’s CS61A (Introduction to CS)
* 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](https://www.oracle.com/openworld/), [JavaOne4Kids](https://www.oracle.com/java/javaone4kids.html), [SVCC](https://www.siliconvalley-codecamp.com/), [Devoxx4Kids](http://www.devoxx4kids.org/) and more
* **Eagle Scout, Boys Scouts of America**:Now mentoring young scouts
* [**Xcelerate**](https://www.youtube.com/Xcelerate) **Reviews**: Reviewing supercars on YouTube