Paran Sonthalia

Contact
Portfolio Website: http://paransonthalia.com/
Seeking Summer Internship

Education:
- Pursuing Bachelor's Degree in Computer Science and Data Science at **UC Berkeley** Class of 2022
- Current courseware includes Computer Science 61A (Python) and Data 8
- A-grade student and already completed AP Computer Science (Java), Advanced Computer Science Honors (Java), AP Calculus, Engineering Technology 1 & 2, AP Statistics

Accomplishments:
- 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
  - https://collegeappplanner.com/
- Won **1st Place** at Los Altos Hacks: RoBotany
  - RoBotany is a project designed to help you plant plants at home successfully. We built our own moisture sensor using 2 probes to measure the resistance in the soil. Then this moisture sensor sends the data to Firebase through a Raspberry Pi. The iOS app uses ARKit, location services, and google vision to help you plant plants that will do well in your area. And it will notify you when the moisture is low. The web app will show you real-time data from the moisture sensor.
- Won **3rd Place** at Menlo Hacks: Droid Control
  - Droid Control is a project that will help kids learn programming without having to buy a third party tool. The iOS app uses ARKit to show you a maze with your player in AR. You can write code for the droid to finish the maze and see the droid move in AR! In the web app you can design a custom level that you can play in the app.
- Awarded **1st Place** in the Mountain View programming competition 2017 and most creative app in 2016 and 2015
- My app was selected among the top ten in the Mountain View App Challenge: Mountain View Art
- Recognized by **Mayor** of City of Mountain View for creating an iOS app for the City of Mountain View. It showcases citywide artwork using the Google Maps API and an XML database.

Leadership
- Boys Scouts - Eagle rank: MVHS softball field improvements and website launch
- Founder and Director of Mountain View Hacks: annual hackathon for high school students
- Mentoring young children to be software developers: Speaker at JavaOne4Kids, Silicon Valley Code Camp, Silicon Valley CoderDojo, and Devoxx4Kids

Other Activities:
- Reviewing supercars and daily-drivers weekly on my YouTube channel, Xcelerate
- **Boys Scouts of America (Eagle Rank)** – Actively assisting other scouts in their Eagle projects, and volunteering in multiple projects
- Recognized by **Mayor and Fire Chief** of City of Mountain View for volunteering and leading the effort towards organizing supplies for emergency preparedness

Programming Skills:
- Programming languages – Java, JavaScript, Unity, Salesforce force.com APEX, HTML, CSS, Python, C#
- Operating Systems - MacOS, Linux, iOS, Windows, Android
- Databases – Firebase, XML, JSON

- Mobile App Development using XCode with Swift and Objective-C

Work Experience:
- **Software Engineering Intern – Selecterra, Sunnyvale, CA   Jun 2018 – Aug 2018**
  - Selecterra is a territory routing tool that runs on the Salesforce platform
  - I helped integrate functionality to view current leads on a map of the territory
    - Used APEX, JavaScript, HTML/CSS, and Leaflet
- **Software Engineering Intern – LeanData, Sunnyvale, CA   Jun 2017 – Aug 2017**
  - LeanData is a next generation sales lead routing, management, and analytics tool that runs on the Salesforce cloud platform.
  - I learnt the Agile development methodology and participated in daily SCRUM calls.
  - I 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, and the ability to round robin a custom field.
    - Built backend using APEX and built frontend using JavaScript and HTML/CSS
  - I also worked on fixing the existing production defects.
- **Internship– Mango Apps, Mountain View, CA   Jun 2016 – Aug 2016**
  - I decided to offer my own internship program when I found out that other students were having trouble finding internships like me. I built a team of 20 interns and over the course of each summer we built a new project (iOS, Android, and web) from inception to completion. Our projects included an app to tackle texting and driving and an app to speed up slow background checks.
- **Internship– Techlab Education, Saratoga, CA   Jun 2015 – Aug 2015**
  - I taught an iOS app development class during summer and helped students who were also programming in other languages.
- **App Developer – ERP America, CA   Jan 2015 – Jan 2018**
  - I created the company website, and I started work on developing an app for professional conferences.
- **Instructor – Little Champs, Cupertino, CA   Aug 2015 – Aug 2015**
  - I taught a one-week summer camp to 15 students. The summer camp was about iOS game development. I prepared the full curriculum for the camp and developed four small iOS games in a weeklong camp.

Volunteer Activities:
- **Director: Mountain View Hacks**
  - I found and organized the first ever Mountain View Hacks in October 21, 2017. It is an annual event
- **Webmaster: Boy Scout Troop 103**
  - I created a new website for my troop to organize documents, pictures, activity sign-ups, and much more
- **Volunteer Teacher:**
  - **Oracle JavaOne4Kids**
    - As part of the Oracle JavaOne conference, I taught 100 young disadvantaged students how to develop games using Java at Moscone Center
    - The second time, I taught 100 students how to develop 3D games in Unity
  - **Silicon Valley Code Camp**
    - I have been teaching at Silicon Valley code camp for the past four years. Some of the classes that I have taught are iOS app development using Objective-C, iOS app development using Swift, JavaScript, and more
  - **Silicon Valley CoderDojo**
    - I taught a few two-day classes on game development using JavaScript, and iOS game development using Objective-C
  - **Devoxx4Kids**
    - I lead various classes on iOS app development using Objective-C, iOS app development using Swift, and more.