Joshua Yuan

github.com/joshuayuan || linkedin.com/in/joshua-yuan

(408) 691-6981
joshuayuan@berkeley.edu
joshuayuan.me

EXPERIENCE

Google, Google Wallet: Android — *Software Engineer Intern*

Summer 2017

- Wrote software in Java to implement full stack architecture for Android
- Built features in Wallet, integrating with Google APIs
- Developed server-side code implementing RPCs and Pub/Sub patterns
- Followed Material Design specifications and built sleek user interfaces
- Used Robolectric, Mockito, and Espresso for Java unit-testing

Jacobs Institute for Design Innovation — *Student Supervisor 2*

September 2015 - Present

- Supervises and helps makerspace users throughout the week
- Teaches weekly 3D printing and laser cutting classes
- Works with design specialists on functional projects

PERSONAL PROJECTS

163 Mobile Card Game — Android application

- Created an original math based single player card game
- Implemented linked lists for card queuing feature with a binary tree implementation with custom Card Node classes to store card data
- Worked with Shared Preferences to keep high scores locally

Carousel — *PennApps XV*

- Developed software for a special vending machine device which organized electronic component bags
- Wrote code for Node.js webserver to run MongoDB on
- Built function to retrieve detailed part information from a barcode

Autonomous Suitcase — *PennApps XIV*

- Led software development in Python to interface robot with ROS by integrating packages for Kinect and tracking algorithms
- Managed electronics and power distribution system

3D Scanner — *PennApps XIII*

- Wrote Python code for motor encoders with ROS
- This hack was a **top 10 hack** and won the **best use of rapid prototyping award**

EDUCATION

UC Berkeley
Computer Science, B.A.

Class of 2019

SKILLS

Confident with Java, Python, Android development, Android testing, Guice & Dagger, Linux/Unix, HTML/CSS/Javascript, CAD software, prototyping and fabrication, Adobe Creative Suite

Familiar with ROS, C, C++, Node.js, Protobufs

EXTRACURRICULAR ACTIVITIES/AWARDS

UC Berkeley Men's Ultimate Team Brand Manager

Top 10 Hack at PennApps XIII

Best Use of Rapid Prototyping at PennApps XIII

#4 out of 400 for CS61C Optimization Project

ARRL HAM Radio License Technician Class

Eagle Scout of BSA Troop 453

Triple Crown of National High Adventure