

ALBERT TUNG

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EDUCATION

Stanford University (B.S.), Computer Science, GPA (3.9/4.0)(2015-2019)

- Relevant Coursework: Programming Abstractions (C++), Object Oriented Programming (Java), Computer Systems From the Ground Up, Web Applications, Artificial Intelligence

TECHNICAL SKILLS

Proficient in: Java, Javascript (Angular and Node), HTML, CSS

Familiar with: C, C++, Objective C, SQL, R, Python

Development Tools: Android Studio, Eclipse, Sublime Text 2, Sketch, XCode, MATLAB

WORK EXPERIENCE

Research Assistant, Stanford CURIS, Stanford, CAJune 2016 to Current

- Designed and built the search page and contributed various UI/UX designs to the Carta project, a interface built on Ruby on Rails and Angular JS that provides detailed analytics and predictions about student classes and course planning for students at Stanford University
- Currently over 1500 active users daily and contributed to a 15x increase in concurrent monthly users
- Refactored website to load different pages faster asynchronously and restructured legacy HTML and JS files into a more optimized form for production release

Mobile Application Developer, Global Context, San Francisco, CA.....January to September 2015

- Developed commercially viable product on Android for presentation feedback for public speaking through self taught courses of Android development and socket.io implementation
- Currently being used at Syracuse and San Francisco State University public speaking classes

Mobile Application Developer, PareUp, New York City, NYAugust 2015 to August 2015

- Developed an Android application to promote food sustainability in cities integrated with a database of stores and extra food to be sold

Website Developer, Future Business Leaders of America, Irvine, CAMarch 2015 to June 2015

- Created static HTML/CSS/Javascript webpages for the FBLA competition of Website Design and won 4th place at the FBLA National Leadership Conference amongst 50+ other designs

PROJECTS

Traffic

Web application built on Angular JS that presents city planners with information on pedestrian flow, traffic flow, and past fatal accidents. Application back-end was integrated with the Pitney Bowes GeoEnhance API and the Predix API hosted by General Electric. Won best traffic and/or parking application for the Intelligent World Hackathon hosted by GE.

Chroma - The Better Color App

iOS application to provide a color swatch editor and generator for designers and developers that supports random color generation and color palette generation from images using the k-means clustering algorithm.

Picture Website

Website built for CS 142 (Web Applications) final project that used the MEAN stack that allowed users to upload, comment, favorite, or like pictures. Added the ability to tag individuals on their pictures through a drag and drop canvas on the screen.

Music Visualization

Bare-metal programming Raspberry Pi project for CS 107E (Building Systems from the Ground Up) which incorporated piezosensors to register finger presses and the Raspberry Pi GPU to draw notes in individual pixels on a screen.

ACHIEVEMENTS

- 2016 Intelligent World Hackathon Best Traffic Application
- 2016 Microsoft Puzzle Challenge Honorable Mention
- 2015 HackGenY \$7500 Contract from Global Context
- 2014 Top 5 Team Projects for TeenHacks
- 2014 National Science Bowl 3rd Place Division Team Challenge
- 2014 High School Mathematics in Modeling National Finalist
- 2013 U.S. Physics Bowl Second Highest Division 1 (Region 13)
- 2013 Toshiba Exploravision Honorable Mention