John Yang

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Skills

Languages

Swift
Java
Python
Unix
HTML
CSS
R

Frameworks

Sketch
RStudio
IBM Bluemix
Microsoft Azure

Coursework

Advanced Data Structures

iOS Mobile App Development

The Structure and Interpretation of Computer Programs

Designing Information Devices and Systems 1

Productive Use of the UNIX Environment

Multivariable Calculus

Awards

National AP Scholar, July 2015

National Merit Finalist, Feb 2016

2nd Place Original Advocacy, CHSSA State Tournament, Apr 2016

Objective

To obtain an internship in the general field of computer science and specifically, software engineering or product management.

Education

University of California, Berkeley
B.S. Electrical Engineering & Computer Science
Expected: May 2020

Employment

Make School   San Francisco, CA
iOS Game Development Instructor   Jun 2016 – Aug 2016
- Taught Swift programming and the basics to using the XCode IDE
- Mentored multiple students in shipping iOS games to the App Store
- Assisted with migration of online Make School curriculum from Swift 2 to Swift 3 code and tutorial descriptions

Computer History Museum   Mountain View, CA
Community Programs Instructor   Jun 2016 – Present
- Led classes part of the museum's Design_Code_Build community programs
- Taught middle school students and teachers concepts including object oriented programming, algorithms, and basic Python programming

Wireless Embedded Systems   Berkeley, CA
Lab Assistant   Aug 2016 – Present
- Maintained cleanliness of Berkeley's WEB and AmpLab Laboratory workspaces
- Assisted graduate students' research projects
- Studied Operating Systems, Internet Protocols, Sensor Networking, System Administration and general computer hardware

Projects

AutiBot
http://devpost.com/software/autibot
- Detects children's risk of developing autism through reaction times to a built in game
- Incorporated the Muse Headband, Microsoft Azure, Parse, and Sketch
- MHacks 6 Best Hack for Social Impact, Best Money Saving Hack, Best Use of Microsoft Azure

RoundAbout
https://itunes.apple.com/us/app/round-about/id1027049535?mt=8
- Creates most distance efficient route through multiple user-entered destinations
- Studied graph theory and coded an optimization solution to the Traveling Salesman Problem
- Make School Summer Academy – Most Outstanding App

InspiRadio
https://github.com/john-b-yang/InspiRadio
- Designed a rudimentary search engine that uses user emotions as search queries.
- Utilized various APIs, primarily the IBM Bluemix API to generate emotion-related results.