John Yang

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Skills

Languages: Java, Swift, Python, HTML/CSS, Go, R, SQL, JavaScript, Scheme

Technologies & Development Tools: Git, Docker, XCode, Linux, Sketch, Blockchain (Bosswave)

Non-Technical: Public Speaking, Chinese (Native)

Coursework

Data Structures and Algorithms

Designing Information Devices and Systems

Multivariable Calculus / Linear Algebra / Discrete Mathematics & Probability Theory

Foundations of Data Science

FreeCodeCamp Front-End Development Certification

Startup Engineering, Stanford University (Coursera)

Awards

2nd Place, Facebook Global Hackathon Finals, Nov 2016

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

National AP Scholar, July 2015

2006 Times Person of the Year

Activities

CodeBase@Berkeley
Hackers@Berkeley
Enthused LA Lakers aficionado
Experienced Hackathon-goer

Education

University of California, Berkeley
B.S., Electrical Engineering & Computer Science
GPA: 3.57, Expected: May 2019

Experience

Wireless Embedded Systems Laboratory   Berkeley, CA
Lab Assistant   Aug 2016 – Present
- Assisting Berkeley's WEB and AmpLab Ph.D. candidates with research projects
- Managing candidates' software with Git version control and Unix system administration
- Writing scripts in Python and Go to automate execution of candidates' project tests
- Studying Operating Systems, Sensor Networking, and basic electrical engineering skills

Valley Consulting Group   Berkeley, CA
Consultant   Jan 2017 – Present
- Contract Consultant for Square, Inc.
- Providing benchmarking research for maximizing Square's customer service efficiency
- Conducting lifecycle and optimization analyses of Square's customer service

Make School (YC W12)   San Francisco, CA
iOS Game Development Instructor   Jun 2016 – Aug 2016
- Taught Swift programming, XCode, and SpriteKit's game development framework
- Assisted with migration of Make School curriculum from Swift 2 to Swift 3
- Admitted 150+ students as admissions officer for the Summer Academy program
- Youngest instructor employed in company history

Projects

FlightBot   November 2016
https://devpost.com/software/flightbot
- Won Amadeus API Award and Twilio API Award
- SMS mobile application for searching and booking flights via SMS text and phone call
- Utilized Python and Flask to set up Web Server for IBM Watson chat bot
- Created chat bot with Node-Red flow and the IBM Watson Conversation API

Detroit Student Transport   October 2016
http://devpost.com/software/detroit-student-transit
- Won Facebook – Most Open and Connected App Award
- Cross platform service aimed at tackling Detroit's public transportation system.
- Designed information storage database using Firebase backend
- Worked with Google Maps API and Apple Core Location framework

AutiBot   October 2015
http://devpost.com/software/autibot
- Won Best Social Impact Hack, Best Money Saving Hack, and Microsoft Azure Awards
- iOS application that detects a children's risk towards developing autism
- Configured Muse Headband with LibMuse SDK to record user reaction time values
- Created risk extrapolation model using Microsoft Azure's Machine Learning Platform

RoundAbout   August 2015
https://itunes.apple.com/us/app/round-about/id1027049535?mt=8
- 3000+ App Store Downloads and 10000+ App Store Impressions
- iOS multi-destination routing application
- Coded an optimization solution to the NP-Incomplete Traveling Salesman Problem
- 2015 Make School Summer Academy Most Outstanding App Award