John Yang

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Skills

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

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

Libraries: Flask, Django, Numpy, Tensorflow, Scikit-Learn, Seaborn

Hardware: Laser Cutting, ShopBot CNC Router, PCB Soldering

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

MHacks 8: Facebook – Most Open and Connected App Award

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

National AP Scholar, July 2015

2006 Times Person of the Year

Education

University of California, Berkeley
B.S., Electrical Engineering & Computer Science
GPA: 3.59, Expected: May 2019

Experience

Apple   Sunnyvale, CA
Software Engineering Intern   May 2017 – Dec 2017
- AppleCare Field Diagnostics and Systems Engineering Team
- Building on-device diagnostic tests for current and future devices' audio components
- Developing reinforcement + unsupervised machine learning and audio coding algorithms
- Working with Obj-C, Swift, XCode, File Managers, Core Data, Socket Protocols, I/O Serial Device Listeners, Custom Animators, and Hardware Sensors
- Solutions to be implemented in retail stores and factories worldwide

Wireless Embedded Systems Laboratory   Berkeley, CA
Lab Assistant   Aug 2016 – Present
- Assisting Berkeley's WEB and AmpLab Ph.D. candidates with research projects
- 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

Projects

Basketball Trivia   February 2017
http://amzn.to/2ndWGVY
- 1300+ Unique Customers, 3700+ Sessions, and 25000+ Utterances to date
- Created multiple choice game with multiplayer features using JavaScript and Node.js
- Awarded Top Performing Alexa Game Skill by Amazon for May and June 2017

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

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
- Incorporated the LibMuse SDK to read and Microsoft Azure to evaluate brain activity

RoundAbout   August 2015
https://itunes.apple.com/us/app/round-about/id1027049535?mt=8
- 3000+ App Store Downloads and 10000+ App Store Impressions to date
- iOS multi-destination routing application
- 2015 Make School Summer Academy Most Outstanding App Award