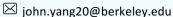
John Yang



john-b-yang.github.io





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ohn-b-yang

Skills

Languages: Java, Swift, Python, Git, Unix, HTML/CSS, Golang, R

Non-Technical: Public Speaking, Chinese (Native), Japanese (Novice)

Coursework

Data Structures

Designing Information Devices and Systems 1

Multivariable Calculus / Linear Algebra / Discrete Mathematics & Probability Theory

FreeCodeCamp Front-End **Development Certification**

Awards

2nd Place, Facebook Global Hackathon Finals, Nov 2016

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

National AP Scholar, July 2015

Activities

Hackers@Berkeley **Berkeley Sports Analytics** Group

Education

University of California, Berkeley

B.S., Electrical Engineering & Computer Science 3.57 GPA, Expected: May 2020

Employment

Make School

San Francisco, CA Oct 2016 - Present

Student Ambassador

- Representative for Make School community and brand
- Provided workshops and presentations at hackathons and similar educational events
- Identified and prepared talented students as Make School Summer Academy applicant iOS Game Development Instructor Jun 2016 - Aug 2016
 - Taught Swift programming, XCode, and the SpriteKit 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

Wireless Embedded Systems Laboratory

Berkeley, CA Aug 2016 - Present

Lab Assistant

- Assisted Berkeley's WEB and AmpLab Ph.D. candidates with research projects
- Managed candidates' software with Git version control and Unix system administration
- Wrote scripts in Python and Go to automate execution of candidates' project tests
- Studied Operating Systems, Internet Protocols, Sensor Networking, and basic electrical engineering skills including soldering and circuitry

Projects

FlightBot November 2016

https://devpost.com/software/flightbot

- 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
- Won Amadeus API Award and Twilio API Award

Detroit Student Transport

October 2016

http://devpost.com/software/detroit-student-transit

- 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
- Won Facebook Most Open and Connected App Award

AutiBot October 2015

http://devpost.com/software/autibot

- iOS application that detects a children's risk towards developing autism
- Designed in-app game to test user reaction time
- Configured Muse Headband with LibMuse SDK to record user reaction time values
- Created risk extrapolation model using Microsoft Azure's Machine Learning Platform
- Won MHacks 6 Best Hack for Social Impact Award, Best Money Saving Hack Award, and Best Use of Microsoft Azure Award

RoundAbout August 2015

https://itunes.apple.com/us/app/round-about/id1027049535?mt=8

- iOS mapping application that generates the most distance efficient route through multiple user-entered destinations
- Coded an optimization solution to the NP-Incomplete Traveling Salesman Problem
- 1000+ App Store Downloads and 10000+ App Store Impressions
- 2015 Make School Summer Academy Most Outstanding App Award