

Contact

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Top Skills

C++
Java
CSS

Hunter McNichols

Freelance Software Engineer
Brooklyn, New York

Summary

I'm a programmer and computer addict whose passion is to build futuristic technologies that push the boundaries of what's possible with current technologies. I have written production code in many languages including Java, Python, Typescript, JavaScript and Objective-C. I'm a huge advocate for programming education and love to share my passions with others.

I'm currently refining my web and iOS development skills as a freelance developer. Please reach out if you want to bring your next big thing to life.

Experience

Self-employed

Freelance Software Engineer
May 2019 - Present
San Francisco Bay Area

Currently building websites and iOS applications on a contract basis. I love working with small business owners to make their visions of technology a reality.

Apple

Software Engineer - Siri Distributed Platform
September 2016 - May 2019 (2 years 9 months)
Cupertino

Developed internal frameworks to improve performance of the Siri System and the throughput of developers.

- Worked across platforms regularly switching between Java, TypeScript, Python, and Objective-C
- Built out frameworks for Siri dialog in both Java and TypeScript
- Developed internal tools for VSCode to simplify developer experiences
- Modernized JavaScript runtimes used in Objective-C
- Increased weekly throughput of Siri personality pipeline by 500% via automation written in Python.

Apple

Software Engineering Intern

June 2015 - August 2015 (3 months)

Cupertino

- Created a Siri prototyping environment for designers to test and communicate ideas to engineers
- Developed a full-stack web application using M.E.A.N. frameworks for designers to create prototypes
- Built a Swift 2.0 iPhone app that communicates with this web application to execute said prototypes with real voice input and output
- Integrated with existing Siri frameworks to increase prototype fidelity

University of Southern California

Undergraduate Teaching Assistant

August 2014 - December 2014 (5 months)

Los Angeles, California

- Teaching undergraduates in an introductory C++ class
- Communicating fundamental concepts such as pointers, control structures, and data structures
- Reviewing and critiquing code from new programmers

Bluebeam Software, Inc.

Software Engineering Intern

May 2014 - August 2014 (4 months)

Pasadena, California

Explored new technologies in Bluebeam's research division

- Prototyped a geofence location iPad experience for use on construction sites
- Developed an iPad application using xCode 6 and Swift
- Integrated application with Gimbal "iBeacon" technology to simulate location in GPS starved areas
- Collaborated in a team of three using SCRUM workflow and Git practices

McNichols Sprinkler Service

Owner and Founder

October 2006 - May 2012 (5 years 8 months)

- Repaired and winterized automated sprinkler systems in my local neighborhood
- Maintained client relations and learned the basics of owning a small business
- Developed business by local advertising, peaking over 30 reoccurring clients

Education

University of Southern California

Master's Degree, Computer Science · (2014 - 2016)

University of Southern California

Bachelor's Degree, Computer Science · (2012 - 2016)