

Derek R. Argueta

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Education

Brigham Young University – Provo April 2017
Bachelor of Science in Computer Science 2.82 GPA

Skills/Interests

- Computer Programming
- Fluent in Java, Python, HTML/CSS, Swift, Objective-C
 - Proficient in C/C++, JavaScript, Bash, and Groovy
 - Experience with Go, ASM (MSP430), and Scala
 - Familiar with data computing tools such as Numpy, Scipy, and Apache Spark
 - High interest in internet & computer systems, distributed systems, data engineering, iOS/OSX development, network security, and building infrastructure
- Databases
- Fluent in SQL
 - Experience with standard relational databases such as MySQL, PostgreSQL, and SQLite
 - Experience with NoSQL databases such as MongoDB, RabbitMQ, Memcached, and Redis
- Hardware
- Have worked with the TI-MSP430, Raspberry Pi, and various Atmel AVR microcontrollers including Arduino
 - Fundamental knowledge of circuitry, hardware design, and robotics
 - Experience with Verilog and Xilinx development tools for FPGA design

Work Experience

- Research Assistant* June – Dec. 2015
BYU Internet Security Research Lab
- Assist PhD students in development for web-based projects
 - Assist in research for best web security practices and web cryptography
 - Participate in lab meetings
- QA Engineering Intern* March – Aug. 2015
Domo Inc. – American Fork, UT
- Write automated test scripts using Groovy, Geb, and Spock
 - Write internal tools for the QA team using Python and Go
 - Write test cases for new features and bugs of the Domo platform
 - Maintain a full-stack internal iOS application
- Software Engineer* Feb. 2014 – March 2015
Verisage – Provo, UT
- Create full-stack iOS and web applications using Objective-C, Django (Python), and AngularJS.
 - Handle all aspects of software development including project management, development, and deployment.
- Course Instructor* March 2014 – March 2015
Coding Campus – Provo, UT
- Assisted teaching the Django + AngularJS classes
 - Developed and taught curriculum for the new M.E.A.N. stack class
 - Achieved 96% job placement with graduated students

Projects

- Mynz
- Developed a game for the Apple Watch at the 24 hour hackathon AngelHack: San Francisco
 - Focused on the placement on “traps” at actual geographic locations for friends to interact with if they physically approach the trap location
 - Heavily utilized geolocation, geofencing, and other geography-oriented technologies
 - Won 2 sponsored prizes
- Lobby Kiosk iOS/Web App
- Created an internal iOS and web application for Domo Inc. consisting of iPad kiosks that visitors can sign-in on, a web application where employees can schedule a new appointment, and an iPad app for the receptionist to monitor visitors
 - Powered by a Django + PostgreSQL backend

Notable

- Eagle Scout
- Finalist in BYU Rollins Center for Entrepreneurship & Technology Mobile App Contest 2014
- Founder of Utah Meetup group Utah Node.js Ninjas
- Frequent Speaker & Presenter at Coding Campus, Utah Code Camp, and several meetup groups
- Participant at HackTX 2013, MHacks 2014, AngelHack: San Francisco 2015, AngelHack: Manhattan 2015, and AngelHack: Silicon Valley 2015
- Coordinating with AngelHack to plan a Salt Lake City event for the AngelHack series in 2016
- Assisting students at Utah State University to plan a hackathon for in fall, which would be Utah’s first collegiate hackathon.
- Officer of BYU Association of Computing Machinery (ACM) and Society of Hispanic Professional Engineers (SHPE)
- Contributor to open-source projects for NASA and Sendgrid