Michael Abbott

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Education

The Ohio State University   Expected 2017
Bachelor of Science: Computer Science and Engineering   **GPA: 3.426**

- Honors Engineering Program
- Coursework: Data Mining, Parallel Processing, Neural Networks, Databases, Web Applications
- Dean's List Member
- Minor in Business

Skills

Programming Language Experience

- Proficient: Java (7 years), C/C++ (3 years), SQL (2 years), .NET (2 years)
- Preferred: Python, JavaScript, Ruby
- Familiar: HTML/CSS/SASS, BASH, PHP, MATLAB

Work Experience

Capital One   June 2017-Current
Software Engineer   **AngularJS | Flask | AWS**

- Created roughly one new internal website every month with AngularJS and Bootstrap
- Went to New York City for a couple months on less than one day's notice to help meet release deadlines
- Created a CI/CD pipeline in Jenkins, leveraging CloudFormation Templates, for managing AWS infrastructure

ShellPharm   January 2017-May 2017
Chief Executive Officer   **C | BASH**

- Identified a niche opportunity in the cybersecurity industry resulting from price discrimination and monopolistic behavior indicative of an inefficient market that is ripe for disruption
- Lead development on a service that would provide clients with convenient fuzzing and concolic execution on executables
- Negotiated an offer with an accelerator named Lumos Innovation

Battelle Memorial Institute   May 2016-August 2016
Software Development Co-op   **AngularJS | Flask | SQL**

- Created a RESTful platform over a SQL Server database, utilized by a variety of applications, web interfaces, and machine learning scripts
- Developed a web interface in Angular that leveraged internal machine learning capabilities and displayed them to end users in a way that no other anti-counterfeiting technologies on the market are capable of doing

The Ohio State University   August 2016-May 2017
Teaching Assistant   **JS | Ruby**

- Evaluated and provided feedback on projects that groups of students would spend several weeks developing
- Personally responsible for determining 20% of each student's final grade

Siemens PLM Software   January 2015-August 2015
Software Development Co-op   **Java | .NET**

- Reduced the run time for a legacy .NET application by over 99%, from more than 40 minutes to less than 5 seconds
- Developed an application to automate and streamline menial tasks that diverted approximately 40% of the team product manager's time by integrating issue tracking software and scrum management software
- Halved the number of server calls being made by a fundamental GWT widget while also increasing its functionality

Personal Projects

CloudScape Videogame   April 2014-Current
                                                                                                        Java | Ruby | SQL

- A turn-based cross-platform strategy game written with LibGDX
- Players can create their own levels in game and play against the artificial intelligence
- Published to the Google Play Store
- Download page for latest stable build: http://cloudscape.site/

Group Projects

OHI/O Hackathon   October 2014

- Placed in the top 10 out of 60 teams
- Won the Best Demo award
- Programmed an Android app called "TraffiClock," a smart alarm clock that adjusts itself based on traffic and weather patterns by leveraging the Google Maps API

Java