Michael Abbott

http://michaelabbott.io   1405 Leafcrest Ln. APT 201   Bon Air, VA 23235   C: 614-361-9319   michaelabbottwashere@gmail.com

Education

The Ohio State University   August 2013-May 2017
Bachelor of Science: Computer Science and Engineering   **GPA: 3.426**

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

Skills

Programming Languages

- Advanced: Java, Python, Scala, JavaScript, Ruby
- Moderate: C/C++, SQL, VB.NET
- Familiar: PHP, MATLAB, HTML/CSS, BASH

Frameworks

- akka+play+lagom, scikit-learn, Ruby on Rails, AngularJS+Bootstrap, LibGDX, .NET, CUDA, OpenMP, Flask, Android, Java Swing, GWT, Apache Commons

Work Experience

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

- Developed concurrent microservices in scala with akka, play, and lagom for Capital One's data lake
- Wrote the data lake's authorization service, which integrated with LDAP and AWS's RDS
- Created dynamic and highly modular front-ends for the aforementioned rapidly changing microservices

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

- Graded projects and provided feedback on assignments for an upper-level team-based course
- Projects included static websites, web scrapers, and dynamic web applications written in Rails
- Graded assignments that cumulatively determined 40% of a student's final grade

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

- Helped develop a product that used machine learning scripts to detect counterfeit electronic parts
- Created a RESTful backend service over a SQL Server database and integration point for machine learning scripts
- Developed a dynamic web interface in AngularJS for displaying and comparing the results from the machine learning scripts

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 over 40 minutes to under 5 seconds
- Developed an application to automate and streamline menial tasks that took up 40% of the 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

Projects

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

- Before taking on even a single client, successfully negotiated a private equity deal with Lumos Innovation
- Achieved an evaluation for the start-up of $400,000 (more than twice the total market capitalization of moviepass.com's owning company as of early August 2018)
- With my co-founders, designed and partially implemented a cybersecurity product for more convenient and commoditized concolic execution of executable files by leveraging AWS
- Never sold anything; had a lot of fun

CloudScape Videogame   April 2014-Fall 2016

- A turn-based cross-platform strategy game written with LibGDX   **Java | Ruby on Rails | SQL**
- Published to the Google Play Store
- Available for desktop here: http://cloudscape.site/
- Players can create their own levels in game and play against the artificial intelligence

Warren Buffett 9000   Spring 2017-Current

- An experimental algorithmic stock trading project   **scikit-learn**