**Michael Abbott**

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| **Education** | |
| **The Ohio State University**  *Bachelor of Science: Computer Science and Engineering*   * Graduated with Honors in Engineering * Minor in Business | August 2013-May 2017  **GPA: 3.426**   * Dean’s List Member |
| * 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* **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   **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 on Rails**   * Graded and provided feedback on assignments for an upper-level group project-based course, which included projects such as websites, web scrapers, and dynamic web applications written in Rails * The projects determined 40% of a 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 and Group Projects** | |
| **ShellPharm** January 2017-May 2017  *Founder & Chief Executive Officer* **AWS | 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   **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 * Download page for latest stable build: http://cloudscape.site/ * Players can create their own levels in game and play against the artificial intelligence   **OHI/O Hackathon** October 2014   * Placed in the top 10 out of 60 teams **Java | Android** * 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 | |