**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* **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 actually 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 attempt to combine my love for machine learning and investing **scikit-learn** | |