**Michael Abbott**

http://michaelabbott.io 7280 Black Abbey Ct. Dublin, OH 43017 C: 614-361-9319 abbott.221@osu.edu

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| **Education** | |
| **The Ohio State University**  *Bachelor of Science: Computer Science and Engineering*   * Honors Engineering Program | Expected 2017  **GPA: 3.426**   * Dean’s List Member |
| **Skills** | |
| **Programming Language Experience**   * Proficient Languages: Java (6 years), C/C++ (2 years), VB.NET/VBA (1 year) * Familiar Languages: JavaScript, PHP, HTML/CSS, MySQL, BASH, MATLAB * Frameworks, APIs, Libraries, Software: GWT, GIN, Swing, LibGDX, Apache Commons, .NET, Ubuntu, RedHat, Excel | |
| **Work Experience** | |
| **The Ohio State University** August 2015-Current  *Teaching Assistant* **Java**   * Responsibilities include grading, assisting with lab, and answering questions   **Siemens PLM Software** January 2015-August 2015  *Software Development Co-op* **Java | XML | .NET**   * Worked 40 hours per week for 8 months * Within several hours and a few dozen lines of code, reduced the run time for an inherited VB.NET utility by over 99%, from more than 40 minutes to less than 5 seconds * Developed an application to automate and streamline a task that took up to 40% of Product Manager’s time by integrating issue tracking software with scrum management software * Added functionality to a Google Web Toolkit widget while reducing the number of server calls made by the widget * Maintained and improved several utilities involved in importing data from excel files to a database   **Franklin County Emergency Management and Homeland Security** May 2014-August 2014  *Assistant to the IT Manager* **Java | PHP | MySQL**   * Automated the work of hundreds of volunteers * Developed an application to direct staff through the flood management procedure * Developed software to monitor water levels throughout central Ohio for automated tracking of floods * Set up a server to run automated data logging | |
| **Personal Projects** | |
| **CloudScape Videogame** April 2014-Current   * A turn-based cross-platform strategy game written with LibGDX **Java | PHP | MySQL** * Developed completely individually and independently of any coursework * 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 **Java** * Won the Best Demo award * Programmed an Android app named “TraffiClock,” a smart alarm clock that would adjust its alarm based on traffic and weather patterns by using the Google Maps API   **Fundamentals of Engineering Honors Robotics Competition** Spring 2014   * Developed software which allowed a robot to run the operations of a factory **C | C++** * Reduced time required for each test run by over 95%, from minutes to seconds, by programming a GUI that allowed the robot path to be adjusted without changing the code   **Cardinal Health Hackathon** April 2014   * Programmed a website which allowed patients to discuss their medical conditions **JS | PHP | MySQL** | |