Michael Abbott

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

Education

The Ohio State University   Expected 2017
Bachelor of Science: Computer Science and Engineering   **GPA: 3.426**
- Honors Engineering Program
- 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 more than 35 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

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% 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**