

Michael Abbott

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Education

The Ohio State University

Bachelor of Science: Computer Science and Engineering

- Honors Engineering Program
- Dean's List Member

Expected 2017

GPA: 3.426

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

Teaching Assistant

- Responsibilities include grading, assisting with lab, and answering questions

August 2015-Current

Java

Siemens PLM Software

Software Development Co-op

- 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

January 2015-August 2015

Java | XML | .NET

Franklin County Emergency Management and Homeland Security

Assistant to the IT Manager

- 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

May 2014-August 2014

Java | PHP | MySQL

Personal Projects

CloudScape Videogame

- A turn-based cross-platform strategy game written with LibGDX
- 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/>

April 2014-Current

Java | PHP | MySQL

Group Projects

OHI/O Hackathon

- Placed in the top 10 out of 60 teams
- 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

October 2014

Java

Fundamentals of Engineering Honors Robotics Competition

- Developed software which allowed a robot to run the operations of a factory
- 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

Spring 2014

C | C++

Cardinal Health Hackathon

- Programmed a website which allowed patients to discuss their medical conditions

April 2014

JS | PHP | MySQL