Kevin Welsh
30 Centennial Ave NW
Grand Rapids, MI 49504
welshk91@gmail.com
(616)-826-1635

OBJECTIVE:
BSSE College graduate looking for the opportunity of a full time job to develop myself as an Android developer.

EDUCATION:
Bachelor of Science in Software Engineering, May 2013
Michigan Technological University

RELEVANT WORK/PROJECT EXPERIENCE:

Most Recent Employment   **May 2010-Present**
Holy Spirit Grade School Networking: Grand Rapids, MI
- Retrofit computers from Windows to Linux operation system; integrate to existing network to provide computer access to primary grades (who had not previously had access to any computers).
- Maintain and provide technical support for all network computers.
- Part of the Technological Committee responsible for integrating newer technologies such as Apple iPads and cloud services into the current infrastructure.

Current Projects   **July 2012-Present**
Fall 2012: **Welsh Finance**
> Developing an Android app for Google Play Store that handles personal finances. The project incorporates Google's support library and the ActionBarSherlock third party library to provide a modern, cohesive UI across multiple devices. The app takes advantage of fragments to provide an experience that scales from phones to tablets.

Michigan Tech Undergraduate Projects   **January 2009-December 2011**
Fall 2011: **File System Analyzer**
> Developed a C program that traverses a file system, gathering statistics on every file & directory. The program then used the GNUPlot libraries to turn the data into multiple graphs, showing a visual representation of your file system.

Fall 2011: **Soil Time!**
> Designed, documented, and developed an educational strategy game coded in C that lets players choose plants and farming techniques to use on their farmland. The graphical user interface was coded in GTK. Git revision control was used to help with development.

Spring 2011: **File Inspector**
> Developed a Ruby program that analyzes Ruby files and reports back relevant information such as name , super class, ancestors , included modules , constants , class variables , class methods , public instance methods , protected instance methods , and private instance methods . It uses the Ruby Introspection API.

Spring 2010: **Phone2Phone**
> Designed, documented, and developed an Android OS program that transfers files from one phone to another via an unofficial Bluetooth API. Focused on designing a coherent, clean graphical user interface and doing large amounts of user testing of the interface.

Diagrammed the internals of the program and created multiple use case scenarios. Coordinated efforts with teammates using CVS.

Spring 2010: **Where Am I?**
Developed an Android OS program that contains an SQLite database of common user-defined locations and uses Android's GPS API to give directions to those custom locations. Designed the database to be optimized for the most common use cases.

Fall 2009: **Santa's Little Helpers**
Developed a C++ program that implements modern threading techniques using the cross-platform POSIX API to coordinate elves, reindeer, and Santa (object classes) as they simulate delivering toys.

TECHNICAL EXPERIENCE:
- **Languages**: Java, C, C++, SQL, C#, Ruby, Visual Basic, Assembly, LISP, and eager to learn others
- **Software**: Git Version Control, Eclipse IDE, Anjuta IDE, Dia UML Tool, Visual Studio 2010, GTK Toolkit, Qt Toolkit, GNUPlot, SDL, OpenGL
- **Platforms**: Windows, Linux, Unix, Mac OS
- **Concepts:** Object-Oriented Programming, User Interface Design, Algorithms, Databases, Procedural Programming, Threading, Software Design, Software Testing

OTHER ACTIVITIES & HOBBIES:
- Video gaming (Xbox 360, PS3, PC, Android)
- Personal coding projects
- Trouble-shooting computers
- Hockey