

Daniel Murphy

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EXPERIENCE

Ringtail Design, Rosslyn, VA — UX Developer

MARCH 2014 - JUNE 2015

- Contributed code to an Android app that communicated with a NodeJS server via MQTT.
- Worked on a C#.Net geospatial and temporal desktop application. Added ability to create military graphics on the globe. Added line graph visualizations for globe entities.
- Developed a web app using NodeJS, ExpressJS, Neo4j, Angular, D3, and ThreeJS. Used ThreeJS for the geospatial view and D3 for the node/relationship view.

Information Management Services, Calverton, MD — Software Developer

MAY 2009 - MARCH 2014

- Contributed code for a PHP web application for analyzing cancer statistics.
- Developed application in C++.NET that read cancer records and displayed them in a grid view.
- Maintained an application written in C which calculated lung cancer risks.
- Updated C++ and Java versions of software which cancer registries use to edit cancer records. Worked with XML, Groovy, and Jasper Reports for the Java implementation. Wrote unit tests with JUnit to test the code.
- Designed and developed a Java program for searching a drug database. Used the Lucene library for searching and Swing for the interface.
- Designed and developed a Java Swing program to create Groovy scripts and test them.
- Added threading to a C++ program that calculates best fit lines for data using the threading library in the new C++11 standard library.

EDUCATION

Towson University, Towson, MD — Bachelor's in Computer Science

SEPTEMBER 2006 - MAY 2009

Major: Computer Science (CAC/ABET Accredited)

Minor: Mathematics

SKILLS

Programming with Java, C, C++, C++.Net, C#.Net, Javascript, PHP, Groovy, and Python.

Databases such as MongoDB, MySQL, SQLite, and Neo4J.

Experience developing for Windows, Linux, Web, and Android platforms.

Object-Oriented Design.

User Experience Design.

Source code management with Subversion and Git.

Proficient with Angular.js, Node.js, Express.js, Java Fx, Java Swing, WPF, and Android UI.

AWARDS

Second place in an mobile app contest run by SBA in 2011.

First place at the 2013 Health Hack DC.