

# Daniel Murphy

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## EXPERIENCE

### Patrocinium Systems, Reston, VA — UX Developer

OCTOBER 2015 - OCTOBER 2016

- Lead full stack developer on a 4D Geospatial web application using CesiumJS, D3, AngularJS, Bootstrap, NodeJS, ExpressJS and ElasticSearch as the datastore. Connected to S3 to save/load assets. Managed a small team to meet short deadlines.
- Responsible of deploying/maintaining application on AWS with EB.

### 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, AngularJS, D3, and ThreeJS. Used ThreeJS for the 3D geospatial view and D3 for the node/relationship view.

### Information Management Services, Calverton, MD — Software Developer

MAY 2009 - MARCH 2014

- Developed application in C++.NET that read cancer records and visualized them.
- Maintained an application written in C that calculates cancer risks.
- Updated C++ and Java versions of software for cancer registries to edit cancer records. Worked with XML and Groovy for the Java implementation. Wrote unit tests with JUnit to test the code.
- Designed and developed a Java Swing program for searching a drug database. Used the Lucene library for searching.
- 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 JavaScript, Java, C, C++, C++.Net, and C#.Net

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

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

Object-Oriented Design.

User Experience Design.

Source code management with Subversion and Git.

Build tools such as Gulp and Jenkins

Proficient with frameworks such as Angular.js, Node.js, Express.js, Hapi.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.

