

Education

University of Maryland College Park

- B.S. Computer Science with a minor in Astronomy, Expected Spring 2010
- Cumulative GPA: 3.65
- Honors Citation

Related Course Work

Classes in C, Java, Ruby, OCaml, Computer Structure, Algorithms and Discrete Mathematics, Programming Paradigms, Software Engineering, Data Structures

Honors

Dean's List, University Honors Program, Dean's Scholarship

Experience

Baltimore County Office of Information Technology, Towson, Maryland

Intern, Summer 2008, Winter 2009, Summer 2009

Recruited for the Business Applications Unit to support Baltimore County's public safety applications. Wrote, updated and tested applications in Java, .NET and PHP. Designed Oracle, Access and MySQL databases. Collaborated and implemented Web 2.0 technologies.

Key contributions:

- Researched, proposed and configured Wiki to support collaboration among Business Application programmers and Service Desk staff.
- Researched, proposed and configured forums solution for the Web Services team to communicate with internal customers on web management best practices.
- Collected requirements for and implemented large scale upgrades and bug fixes for the State's Attorney's Office's Java-based case management web application. Received letter of recognition from the customer.
- Gathered requirements and created a web application for the Baltimore County Sheriff's office to track deadbeat parents. Gathered requirements and created a database design for the OIT Telecom unit to track cellphones, pagers and PDAs.

TerpNav Pedestrian Mapping System – Fall 2009 – Present

Worked as lead programmer on capstone project in Software Engineering @ Maryland co-op. Refactored and extended TerpNav (map.umd.edu) now adopted as the standard pedestrian map for the College Park campus. Continuing through spring on product assurance exercise with the same project, under the direction of Prof. James Purtilo in the CS Department.

- Wrote much of the new code in PHP and JavaScript
- Designed new functionality, doing both code design and prototyping and database design

Designed and Implemented a Website for UMD Intersivity, Fall 2008 (<http://www.umdiv.org>)

Volunteered to design, create and maintain a website for the Intersivity campus group at College Park

- Designed and developed mailing list and news feed functionality in PHP

Computer Proficiencies

Languages

C, Java, C#, Visual Basic, PHP, Ruby, JavaScript, (X)HTML, CSS, XML and SQL

Platforms

Windows, Unix

Programs

Oracle, MySQL, Visual Studios, Eclipse, NetBeans, Crystal Enterprise