

Thomas M. Donahue

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Objective:

To obtain a full time position as a software engineer

Education:

Michigan Technological University
BS Computer Science

Houghton, MI
Expected December 2011

Project Experience:

Encore Entertainment – *Content Distribution*

Title: Desktop/Web Application Developer

Philadelphia, PA
March 2011 – Current

Objective: Create an application aimed at the general public to access media comfortably

- Developed online media service using C# (WPF), C++ (Qt), Perl, PHP, and MySQL
- Implemented intuitive user interface and back-end utilizing AJAX, TCP and multiple threads
- Utilized MVC architecture to aid in ease of maintenance through separation of application layers

Michigan Tech – Project AndroidGPS

Title: Project Lead

Houghton, MI
May 2010 – March 2011

Objective: Research and develop usages of WAAS-enabled GPS devices with Android devices

- Designed an extensible API structure to utilize Bluetooth GPS devices on the Android Platform
- Utilized SQLite to manage medium amounts of image and location data
- Developed an application to aide in creating 3D models of areas utilizing geo-tagged photos and GPS data

Michigan Tech – Husky Game Development

Title: Team Leader

Houghton, MI
August 2008 – December 2009

Objective: Design and develop a functional game engine and test demo

- Created design documentation and software requirements / specifications
- Led the main development of game engine using C# with XNA libraries for easy cross-platform (Xbox/PC) compatibility

Michigan Tech

Title: CS1121 Lab Assistant

Houghton, MI
August 2006 – May 2008

- Worked with students in the lab to aid in the understanding of Java
 - Taught key concepts of Object Oriented Programming to first year students
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Computer Skills:

- **Languages:** C, C++, C# (ASP/WPF), Java, Javascript, jQuery, JSON, MySQL, PHP, Python, XHTML, XML
 - **Software:** Visual Studio, Eclipse, Qt Creator, SVN, CVS, git, gcc, mingw
 - **Operating Systems:** MS Windows (Windows 2000-Windows 7), Fedora, Debian
 - **Other:** Relational databases, Multithreading, IPC, TCP/IP Socket Programming, Unix, SOA
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International Experience:

Lived in Germany for 4.5 years, moderately fluent in German

Extracurricular Experience:

- Secretary, MTU Chapter of Sigma Kappa Upsilon Mu Fraternity (2006-2010)
- Humane Society, Adopt-A-Highway, Little Brothers Friends of the Elderly, Habitat for Humanity