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Matthew Sheehan

Objective

Fulfill a position where creative programming is inspired, learning and research is encouraged, and hard work is valued.

Education

University of Mount Union   Alliance, OH

May 2013

- Dean's List
- **3.47 GPA**
- Senior Study – The Effects of Social Media on Memory

Skills & Coursework

- C++
- C#
- TypeScript, JavaScript

- HTML, CSS, XAML
- ASP.NET
- SQL Server, MySQL, SQLite

- PHP
- Computer Networks
- Algorithms and Data Structures

Experience

Apteryx, Inc.   Akron, OH

Software Developer   May 2013 – Present

- Developed Windows 8/8.1 metro app for viewing x-rays with image algorithms for enhancements and manipulations (b/c/g, gaussian blur, unsharp mask, …).
- Initiated cloud web application with the ability to enhance images with WebGL shaders.
- Created the canonical internal javascript library for web applications, which included web components and data-binding.
- Deployed a distributed system of micro-services for file syncing, program logging, and user auditing.
- Built an asynchronous IPC (inter-process communication) messaging protocol.
- Programmed in technologies including DirectX, ASP.NET MVC, and WebGL.

Alliance Computer Exchange   Alliance, OH

Computer Repair Technician   August 2011 – December 2012

- Developed company website [www.alliancecomputerexchange.com].
- Performed technical assessments and serviced to customer computers.
- Disassembled computers, printers, and any other electronics to recycle the individual components.

Activities & Awards

- Kappa Psi: Honorary Band Fraternity
- Eagle Scout

- Phi Kappa Tau Fraternity/Community Service Board

- Marching and Concert Band/Trombone

Projects

- Personal site

- MsLisp - A toy lisp dialect

- Github