Drew Matheson

61 The Country Way
Kitchener, ON, Canada
N2E 2K3
(519) 503-5942
DAmatheson1-cc@conestogac.on.ca

Objective

To utilize my solid knowledge of web technologies in a web developer position for the May to August 2015 Co-op work term.

Qualifications

- Produce single-page applications using ASP.NET MVC, ASP.NET Web API 2, AngularJS, and MongoDB
- Experience programming in a multitude of languages and frameworks including C#, ASP.NET MVC and Web API 2, JavaScript, SQL, HTML, CSS, VBA, and Python
- Use frameworks including jQuery, AngularJS, Entity Framework, and Twitter Bootstrap to maximize time spent working on new issues rather than ones that have been solved
- Enhance code quality by developing and implementing automated unit tests using the NUnit and Moq frameworks
- Utilize relational databases such as MySQL, SQL Server, and Access, and document-oriented databases such as MongoDB
- Implement object oriented programming principles to increase code testability, modularity, and reusability
- Analyze and outline the requirements, domain classes, and system diagrams for a case study as a team
- Familiar with software analysis CASE tools and prototype UIs
- Employ revision control software via Git/GitHub
- Worked in a team of four tasked with creating an entertaining game to review course material
- Understand computer networking including hardware and subnets
- Helped classmates grasp, implement, or fix various concepts and issues throughout the first three semesters
- Achieved a first year GPA of 4.0 by employing effective time management to stay at least one week ahead of assignments and course material

Education

Computer Programmer / Analyst (Co-op) Program   2013 – Present Expected 2016
Conestoga College, Kitchener, ON
- Maintaining a 4.0 GPA

Highlights
- Built a maintenance website for a bus service using ASP.NET MVC, persisting data to SQL Server using Entity Framework, and unit testing with interface mocks

Experience

Board Game Scoring Single-Page Application   2014
- Learned AngularJS from scratch and utilized AJAX services to retrieve from and save to an ASP.NET Web API 2 back end
- Implemented the Unit of Work pattern and dependency injection for MongoDB database interactions to insulate the web API from the data store and enable unit testing
- Developed unit tests using mock repositories for everything but data access classes, and test databases for data access classes
- Created custom data validation annotations to validate related fields

Awards

2014

- Computer Programmer / Analyst Year 1 Achievement Award, awarded for having the highest first term marks in the Computer Programmer / Analyst program
- Dean's Honours List, awarded for attaining an average of 80% or greater while having no course mark less than 70% and no failed courses in the year.

Activities and Interests

- Creating applications that automate or simplify problems and annoyances
- Trying out popular programming technologies to see how they can be applied
- Building a single page app for tracking board game score history
- Building and upgrading computers for family
- Recreational bicycling