Matthew Corless

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Professional Experience

Lockheed Martin – College Student Technical Specialist*   5/2016 – 8/2016, 5/2017 – 4/2018
*I interned for two consecutive summers and am currently in a transition period to become a part-time Software Engineer Associate while I finish my degree
Languages/Frameworks used: C#, .NET (LINQ, Web Forms, ADO), Entity, SQL/T-SQL, HTML, CSS, JavaScript, jQuery, AJAX, Bootstrap

Project: Automated Weigh & Balance System (AWBS)   **8/2017 - present**
Work with team of 8 developers utilizing Agile methodologies. Our main project is AWBS 11.0 featuring a Xamarin client for AWBS with a scheduled release of May 2018.

Responsibilities include:
- Developing RESTful API for the Xamarin application,
- Refractoring early prototype API from using SQLite and Dapper to SQL Server and Entity
- Creating and testing all API requests
- Writing all CRUD operations necessary for API and stress testing all them to be as efficient as possible
- Creating SQL Server database (tables, datatypes/lengths, foreign key relationships, and triggers) and updating the schema to match changes in the client schema throughout development.
- Creating and maintaining a SQL Server instance on a virtual machine
- Developing, maintaining, and deploying new features and bug fixes to AWBS (DOD) and CAWBS (foreign countries) websites

Project: Viper Change Management (VCM) and Engineering Drawing Tracker (EDT) Websites   5/2016 – 8/2016,
Edited Release Notes of EDT changes I did: **2016**, **June 2017**, **August 2017**   5/2017 – 8/2017
I worked on a team with two senior developers where I fixed various bugs and completed various tasks on Team Foundation Server.

Examples of work:
- Added functionality to allow users to advance, challenge, and reject drawings assigned to them in bulk instead of having to perform actions on each individual drawing. This utilized JavaScript and jQuery for client-side logic on which profiles could be selected together and server-side logic to perform the bulk processing (profile status change, bulk emailing, etc.).
- Created a History database table and supporting C# classes to track every change a user made to a profile in one session and save the changes in a JSON string. I then created a web control to display every change in a profile since its creation, the user that committed the change, and the date of the change.

Personal Projects

Converter | [Source Code](#) **|** [Download (JAR)](#)
- Decimal, binary, hexadecimal, and octal converter that shows how to do each conversion.
- Features: Java, CSS, HTML, JavaFX, JUnit Testing, continuous integration (Travis CI), and Maven

MatthewCorless.me | [link](#) **|** [Source Code](#)
- Personal portfolio website (single page application)
- Features: HTML. CSS, and JavaScript

Technical Skills

Languages: C#, Java, HTML, SQL (and Transact-SQL), CSS
Libraries/Frameworks: .NET, ASP.NET Web Forms, Entity, AJAX, Bootstrap, jQuery
Tools: SQL Server, TFS, Git, Visual Studios, Eclipse, VMware

Education

Arizona State University
B.S. Software Engineering May 2018   GPA: 3.7
- Primary focus in Web & Mobile Applications
- Secondary focus in Technological Entrepreneurship & Management

References

Douglas Keith, Lead Software Engineer for AWBS:
        (801)586-7123 or douglas.w.keith@lmco.com
Jeremy Stander, Software Engineer Staff for VCM & EDT:
        (801)775-6450 or Jeremy.r.stander@lmco.com
Peter Birch, Software Engineer Staff for VCM & EDT:
        (801)775 -5588 or peter.l.birch@lmco.com