

Matthew Corless

850 E. Ocean Blvd, #1204, Long Beach, CA | (630)303-2080 | mjcorless@asu.edu | matthewcorless.me

Professional Experience

Lockheed Martin – Software Engineer Asc

September 2017 –

Project: Automated Weight and Balance System (AWBS 11.0 W/ Xamarin coming April 2018)

- Primary developer for RESTful API for Xamarin application in development
- Created all CRUD operations necessary for API using LINQ to Entities
- Created entire SQL Server database (tables, datatypes/lengths, foreign key relationships, and triggers) and responsible for changing schema to match changes in the client schema throughout development
- Configured test server and responsible for stress testing client and server requests
- Added new features and bug fixes for two ASP.Net websites (added changes such as new user permission groups for managers to add users to before the Xamarin app is released next year)
- Languages/Frameworks: C#, .Net (LINQ, ASP, ADO), Entity, SQL (and T-SQL), and HTML

Lockheed Martin – College Student Tech Spec

05/2016 – 08/2016, 05/2017 – 08/2017

Project: Engineering Drawing Tracker

Release Notes of changes I implemented: 2016, June 2017, August 2017

- Worked various bugs and tasks on TFS including: generating Word, PDF, and Excel reports, adding new features such as bulk profile processing, and general bug-fixing.
- Examples of work:
 - I. Added front-end and back-end logic 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 for client-side logic on which profiles could be selected together, server-side logic to perform the bulk processing (profile status change, bulk emailing, etc.). I was able to multi-thread parts of the process without causing deadlocks in order to allow the bulk processing to operate 3-4 times faster.
 - II. Created History database table and supporting C# classes that would track every change a user made to a profile in one session and would save the changes in a compact JSON string. 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.
- Languages/Frameworks: C#, ASP.NET, CSS, HTML, JavaScript, SQL (and T-SQL), jQuery, Bootstrap

Personal Projects

Converter

- Features: Java, CSS, HTML, JavaFX, JUnit Testing, and Maven
- Decimal, binary, hexadecimal, and octal converter
- Displays how to do each conversion in HTML

matthewcorless.me

- Personal portfolio website (single page application)
- Features: HTML, CSS

Education

ARIZONA STATE UNIVERSITY | B.S. SOFTWARE ENGINEERING MAY 2018 | GPA: 3.7

- Primary focus in Web & Mobile Applications
- Secondary focus in Technological Entrepreneurship

Miscellaneous Skills

	Proficient	Moderate	Diffident
Languages	c#, java	JavaScript, SQL, CSS, HTML	C++, xml
Libraries/frameworks	.Net, Entity, jUnit, javaFX, Swing	bootstrap, jQuery	angularJS
Tools	SQL Server, Visual studios, Eclipse, GIT, TFS, MS Office, MS Windows	uml, Mac OS X, Linux	ant, maven, Webstorm, IntelliJ
Methodologies	OOP, agile	waterfall	mvc