

# Matthew Corless

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## Professional Experience

### Lockheed Martin – Software Engineer ASC

September 2017 –

- Work on a team of 10 developers utilizing Agile methodologies. Our main project is AWBS 11.0 featuring a Xamarin client for AWBS with a scheduled release of May 2018.
- Primary developer for RESTful API for Xamarin application
- Created all CRUD operations necessary for API primarily 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/T-SQL, and HTML

### Lockheed Martin – College Student Tech Spec

05/2016 – 08/2016, 05/2017 – 08/2017

Release Notes of changes I implemented: [2016](#), [June 2017](#), [August 2017](#)

- Worked various bugs and tasks on TFS including: generating Word, PDF, Excel, and RDLC 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 refactored some of the logic to multi-thread the bulk processing without causing deadlocks.
  - II. Created History database table and supporting C# classes to 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 | [Source Code](#) | [Download \(jar\)](#)

- Features: Java, CSS, HTML, JavaFX, JUnit Testing, continuous integration (Travis CI), and Maven
- Decimal, binary, hexadecimal, and octal converter ·
- Displays how to do each conversion in HTML

### [matthewcorless.me](http://matthewcorless.me) | [Source Code](#)

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

## 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

#### Languages

#### Libraries/frameworks

#### Tools

#### Proficient

C#, java, HTML

.NET, Entity, jUnit, javaFX, Swing

SQL Server, GIT, TFS, Visual studios,

Eclipse, MS Office, MS Windows

#### Moderate

JavaScript, SQL, CSS

AJAX, Bootstrap, jQuery

UML, Mac OS X, Linux

#### Diffident

C++, xml

AngularJS

ant, maven, WebStorm, IntelliJ