

**PROJECTS**

*EcoCar Mobility Challenge – Team Project*

Nationwide competition sponsored by NXP, GM and others to create a Hybrid vehicle with CAV features, specifically worked on the HMI portion to educate the rider/driver on the features of ADAS.

Flutter, Google MLKit

*LogbookZero - Personal Project* **Web, Android, iOS**

Digital logbook for pilots to track and monitor flight hours and document/license renewals, as well as export files.

Flutter, Firebase, GCP, Angular, SCSS

*Other projects on web portfolio* ***Web, Android, iOS***

**WORK EXPERIENCE**

*Embry-Riddle* **Oct 2019 – May 2020**

*Software Engineering Research Assistant*

Developed and Designed a platform for automating Autonomous Vehicle (AV) scenario generation by creating a system of a crash being entered into the system and automatically generating “interesting” cousin scenarios to be used to train AV models of the crash situation

*Tech Stack: MatLab, AV Toolbox, Simulink*

*American Airlines* **Jan 2018 – Aug 2018 & May 2019 – Aug 2019**

*Reliability Co-Op Software Engineer*

Developed and Designed Over 20 Data Access Applications for various departments in Tech Ops, replacing the aging Intel Cognos reports, allowing for drastically improved data collection speeds for the engineers

Developed and Designed various dashboards to improve the readability and effectiveness of teams to get the information they need to monitor, track and get information on trend data

*Tech Stack: R, RShiny, Angular, NodeJS, TypeScript, JavaScript, Python, Teradata*

*Aerial Applications* **Oct 2017 – Dec 2017**

*Software Engineering Intern*

Developed a Windows Service to control and distribute processing items to farm computers, that would process image data, as well as send computer health data to a web server to be displayed on a web site for easy monitoring

*Tech Stack: C#, .NET, LINQ, Ruby On Rails*

*Embry-Riddle & FAA* **Oct 2017 – Dec 2017**

*Software Engineering Intern*

Developed the Front-End portion of a training program for use at the Air Traffic Controller En-Route training facility, where students can practice station duties and tasks outside of class

*Tech Stack: VueJS, CSS, ASP .NET*

*Belcan Engineering, LLC* **May 2017 – Aug 2017**

*Software Engineering Intern*

Reversed Engineered multiple Excel and Access Macros to understand the data and what post processing was occurring to Design and Develop modern applications to increase the productivity of the Pratt & Whitney engineers

*Tech Stack: C#, .NET, VBA, SQL*

**CONTACT**

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**SKILLS**

***FRONT END***

HTML

CSS / SCSS / SASS

RShiny

***BACK END***

Dart

NodeJS

R

JavaScript / TypeScript

C# / .NET Core / .NET Framework

Python / Pandas / NumPy

SQL / Transact SQL / MySQL / NoSQL

***FRAMEWORKS***

Flutter

Angular 7/8/9

Xamarin / UWP

***TOOLS***

Visual Studio Code / Visual Studio

Google Cloud Platform / Firebase

Figma / Adobe XD

Teradata / Oracle / MySQL / Azure

Github

**EDUCATION**

*Embry-Riddle Aeronautical University*

B.S. Software Engineering

https://cmstark920.web.app/

http://bit.ly/2w6hDrL

http://bit.ly/31GuGMc

UI/UX Designer

Full Stack Web/App Developer

CAMERON

**STARK**