

Alan Fudge

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WORK EXPERIENCE

Internal Software Development

Jan. 2020 - August 2021

US Aviation Academy | Denton, TX

- Design and develop web applications and robotic process automation scripts.
- Deploy and maintain internal servers for web applications.
- Work with management to plan software solutions, provide timelines, and report on progress.
- Work with the marketing team to develop and maintain Wordpress website.

Flight Scheduling Department Manager

Sep. 2015 - August 2021

US Aviation Academy | Denton, TX

- Lead a team to create and maintain a flight schedule for several bases of operation.
- Collaborate with flight operations management to enact new policy and standard operating procedure.
- Analyze performance metrics to pinpoint areas of improvement across departments.
- Approve/Deny time off requests for 60+ instructors and scheduling personnel.
- Ensure the scheduling department is utilizing company resources efficiently by using the least amount of aircraft needed for the most amount of flights.
- Create and maintain a suite of Google Sheets and Excel Spreadsheets used across departments.

PROJECTS

Personal Portfolio Website

May. 2021 - Jun. 2021

Overview: Personal portfolio website showcasing technologies I am familiar with and links to projects.

Technologies used: HTML, Javascript, CSS, GIT, GitHub Pages

[Link to Project \(https://alanfudge.github.io/portfolio\)](https://alanfudge.github.io/portfolio)

[Link to Github \(https://github.com/AlanFudge/portfolio\)](https://github.com/AlanFudge/portfolio)

Custom HTML Form Creator (Google Forms Clone)

Jun. 2021 - Oct.. 2021

Overview: Application allows for creation of custom HTML forms with an easy to use interface for use in app and external targets.

Technologies used: React, Redux, React Router, Babel, Webpack, Javascript, HTML, CSS, GIT, Github Actions

[Link to Project \(https://alanfudge.github.io/custom-form\)](https://alanfudge.github.io/custom-form)

[Link to Github \(https://github.com/AlanFudge/custom-form\)](https://github.com/AlanFudge/custom-form)

SocketIO Chat Room

Jun. 2020

Overview: Simple implementation of socketIO to create a chat room using github username.

Technologies used: HTML, CSS, Javascript, ExpressJS, mongoDB, HelmetJS, pug, Passport, SocketIO, NodeJS

[Link to Project \(https://sweet-cake-watcher.glitch.me\)](https://sweet-cake-watcher.glitch.me)

[Link to Glitch \(https://glitch.com/edit/#!/sweet-cake-watcher\)](https://glitch.com/edit/#!/sweet-cake-watcher)

URL Shortener

May. 2020

Overview: Quick and easy url shortener microservice.

Technologies used: ExpressJS, MongoDB, Mongoose, Javascript, NodeJS

[Link to Project \(https://dh-url.glitch.me\)](https://dh-url.glitch.me)

[Link to Glitch \(https://glitch.com/edit/#!/dh-url\)](https://glitch.com/edit/#!/dh-url)

D3 Heatmap

Apr. 2020

Overview: Heatmap of temperature variation.

Technologies used: HTML, CSS, Javascript, D3

[Link to Project \(https://codepen.io/daxharley/full/RwWLbMe\)](https://codepen.io/daxharley/full/RwWLbMe)

[Link to CodePen \(https://codepen.io/daxharley/pen/RwWLbMe\)](https://codepen.io/daxharley/pen/RwWLbMe)

EDUCATION

Edward S. Marcus Highschool | High School Diploma

2011

CodeCademy Online Courses | Full Stack Development

2017-Present

[Link to Profile \(https://www.codecademy.com/profiles/af320040\)](https://www.codecademy.com/profiles/af320040)

Courses

Completed and received certificates in the following

Learn React.js Part I	Learn SQL	Learn Command Line
Learn React.js Part II	Learn Python 2	Learn CSS
Learn AngularJS 1.X	Learn Color Design	Linear Data Structures
Learn Sass	Learn Node.js	Learn Complex Data Structures
Learn Git	Learn Bootstrap	Learn C++
Learn Responsive Design	Learn D3	Learn Express
Learn HTML	Learn Java	Learn Javascript
Learn Testing for Web Development	Learn React Router	Learn Redux

PROFESSIONAL SKILLS

Written and Verbal Communication | Customer Service | Microsoft Office | Google Workspace | Redux | Linux Systems |
Webpack | HTML and CSS | Git and GitHub | JavaScript | SQL | Python | MongoDB | React | React-Router | D3 |
Passport | JQuery | Bootstrap | ExpressJS | SocketIO | Sass |