

Matthew Oldfield

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EDUCATION

UNIVERSITY OF SOUTH FLORIDA

BA IN PHYSICS

2016 | Tampa, FL

Minor in Astronomy

Computational Physics

College of Arts and Sciences

GPA: 3.03 / 4.0

PROJECTS

Github - <https://github.com/asmattic>

SKILLS

Expert - 7-10+ years

Linux • NodeJS • ReactJS

JavaScript | TypeScript • Python

CSS3 • HTML5

SQL • REST • GraphQL

UI | UX • PHP

BASH • MongoDB • Jira

Version Control (Git) • LaTeX

OAuth 2.0 | JWT | SSH | HTTP(S)

Proficient

C++ • Java | Android • Angular

CI/CD Deployment Pipelines (AWS, GitHub, and more)

Machine Learning • Docker

Adobe Photoshop | Illustrator • Figma

GeoJSON | Leaflet | Google Maps JS API

WebGL | OpenGL | Three.js • Webpack

Familiar

.NET | ASP(X) • E2E & Unit Testing

HISTORY

FREELANCE WEB DEVELOPER

Mar 2010 - 2015 | Jun 2019 - Present

Developed time management and communication skills required to translate client's objectives and design specifications into websites that represent their business and values.

EXPERIENCE

REPFABRIC

FULL STACK ENGINEER | DATA SCIENTIST

January 2020 – July 2021 | Tampa, FL

- Created a multi-purpose internal React, MongoDB, Node application for regularly aggregating key analytics data from approximately 150 client instances of the customer facing manufacturing and distribution sales CRM to measure client adoption and usage.
- Developed an onboarding tool integrated into that application to clean human created lists containing hundreds of thousands of companies and contacts each by employing Data Science techniques of normalizing data types, grouping company locations, filling in often missing fields from multiple location and company/contact information API's, finding and removing duplicates, connecting companies with their related contacts and mapping the cleaned data to the required import format for use in the CRM.

ACCUSOFT

SOFTWARE ENGINEER IN SUPPORT I | WORKFLOW DEVELOPER I

April 2018 – July 2019 | Tampa, FL

- Worked to solve customer's software implementation issues learning the architecture and inner-workings of the core backend document creation technologies while automating information gathering processes for troubleshooting.
- Built customized BPMN Workflows while extending the capabilities of the existing OnTask platform with NodeJS user manipulation scripts and front-end ReactJS features.

DKE LABS, LLC - COFOUNDER

WINNER OF SOFWERX DRONE WARS COMPETITION

AWARDED GOVERNMENT CONTRACT TO FURTHER DEVELOP APPLICATION

2018 - 2020 | Tampa, FL

- **Project Goal:** Hack into Phantom 3 drone and either control or otherwise incapacitate it.
- **Implementation:** Developed an Android application that communicated with a Raspberry Pi via Bluetooth to run Python scripts that ran Aircrack-ng to crack the controller's password and take over the drone while blocking the current user's ability to re-connect by sending de-auth packets. The Android app was integrated with the DJI API so control signals could be sent to bring down or send the drone to any coordinates desired.

MCKAY ADVERTISING + ACTIVATION

LEAD SOFTWARE ENGINEER | WEB DEVELOPER | ANALYTICS MANAGER

Jul 2013 – Mar 2018 | Tampa, FL

- Envisioned, designed and developed a React web application that aggregated related marketing analytics data from over 10 disparate sources of varying structures to create a dashboard with unified insights and visualizations for campaign optimization.