Matthew Oldfield

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EDUCATION

UNIVERSITY OF SOUTH FLORIDA
BA IN PHYSICS
2016 | Tampa, FL
Minor in Astronomy
Computational Physics

PROJECTS

Github - https://github.com/asmattic

SKILLS

Expert - 7-10+ years

Linux • NodeJS • ReactJS
JavaScript | TypeScript • NextJS• Python
CSS3 • HTML5 • SQL • REST
UI | UX • PHP • BASH
MongoDB • Jira • Version Control (Git)
OAuth 2.0 | JWT | SSH | HTTP(S)

Proficient

C++ • Java | Android • Angular
CI/CD *(AWS, GitHub)* • Webpack
Machine Learning • GraphQL • Docker

AWARDS

Sofwerx Drone Wars Winner

DKE LABS, LLC - COFOUNDER

Awarded 20K Gov. Contract

2018 - 2020 | Tampa, FL

Project Goal: Hack into Phantom 3 drone and either control or otherwise incapacitate it.

Implementation: Developed an Android app 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 DJI API was used to send control signals to bring down the drone to any coordinates desired.

EXPERIENCE

GASPARILLA MUSIC FESTIVAL & FOUNDATION
WEB DEVELOPMENT CONTRACTOR | DATA SCIENTIST
July 2021 - Present | Tampa, FL

- Designed and developed multiple custom websites improving performance and usability.

- Ran digital marketing campaigns integrating advanced micro an macro conversion metrics collected across many analytics and advertising platforms utilizing machine learning to increase engagement, brand awareness of the core foundation's non-profit programs as well as ticket sales.

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.

MCKAY ADVERTISING + ACTIVATION
LEAD SOFTWARE ENGINEER | WEB DEVELOPER | ANALYTICS MANAGER
Jul 2013 – Mar 2018 | Tampa, FL

- Envisioned, designed and developed a React dashboard 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.