Matthew Oldfield

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EDUCATION

UNIVERSITY OF SOUTH FLORIDA
BA IN PHYSICS
2016 | Tampa, FL
Concentration in Computational Physics
College of Arts and Sciences
GPA: 3.03 / 4.0

PROJECTS
- Github - https://github.com/asmattic

COURSEWORK

UNDERGRADUATE
Program Design
Programming Concepts
Computational Physics
(Research Asst.)
Optical Biophysics related to the denaturation and refolding of Amyloid proteins.

SKILLS

SOFTWARE ENGINEERING
Expert
Linux | Unix • **NodeJS** | JavaScript ES6
ReactJS • PHP • LaTeX • GIT
CSS • HTML • MySQL
Rest API's • **Postman** •
BASH • **MongoDB** • **Jira**
CI/CD Deployment Pipelines (Heroku, GitLab, AWS) • Auth0
Proficient
C++ • Java | Android • Python
Machine Learning • Docker •
• Microsoft Office (Office.js Extension Add-In Dev)

Familiar
.NET | ASP(X) • Mocha & Chai NodeJS Testing

HISTORY

FREELANCE WEB DEVELOPER
Mar 2010 - 2015 | Jun 2019 - Feb 2020
• Developed time management and interpersonal skills needed to manage multiple clients to help meet design specifications while always maintaining a separate job and full time coursework.

EXPERIENCE

ACCUSOFT | WORKFLOW DEVELOPER I
January 2019 – July 2019 | Tampa, FL
- Built customized BPMN Workflows with custom scripts extending the capabilities of the existing OnTask platform.

- Created custom NodeJS user manipulation scripts and front-end ReactJS features for OnTask including with all Engineering work utilizing Agile development practices tracked and reported through JIRA.

ACCUSOFT | SOFTWARE ENGINEER IN SUPPORT I
April 2018 – December 2018 | Tampa, FL

- Working to solve customers problems and improve their experience while learning Accusoft's internal policies as well as learning the architecture and inner-workings of PrizmDoc (Viewer)'s Server, PAS and Viewer API's.

- Created BASH script to automatically set up the PrizmDoc Editor development environment and began to learned the testing architecture as well as some of the general duties and day to day environment of a Software Development Engineer In Test I.

WINNER OF SOFWERX DRONE WARS COMPETITION | AWARDED GOVERNMENT CONTRACT TO FURTHER DEVELOP APPLICATION
2018 | 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 deauth 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 | WEBSITE DEVELOPER AND ANALYTICS MANAGER
Jul 2013 – Mar 2018 | Tampa, FL

- Envisioned, designed and developed a stable web application that combined similar marketing data analytics from multiple sources of differing data structures using Agile Project Management. Modern ES6 JavaScript was used to create a React client side app that consumed a designed back-end NodeJS REST API that would in turn compile and map data to send and save to a MongoDB database solution.

- Utilized computational methods to analyze campaign data with key performance metrics to implement measurable, results driven solutions.

- Created and implemented a security first strategy to protect the integrity of accounts and websites using multi-form authentications, SQL sanitization techniques, file permissions, .htaccess request denial and access log monitoring and throttling. This while seamlessly constructing front end usability solutions to clearly communicate ideas and improve the user experience.