Lawton Mizell

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EXPERIENCE

NIWC, Naval Information Warfare Center Charleston SC, *Software Engineer, TS/SCI Security Clearance* May 2018 – Present
- Created various ETL pipelines in Clojure/Java for a data analytics service that used Natural Language Processing libraries to extract information from unstructured text-based data sources.
- Implemented A/B testing for ML models on a generalized recommender system. Created functions to compute the AUC score, f1 score, precision, and recall.
- Ran IA scans using static code analysis tools and sonarqube to find and fix vulnerabilities in various project codebases.
- Designed and Implemented a Java API to ingest data from a client's external SQL and Mongo datastore to a recommender system.
- Designed and Implemented a Java API for a data analytics service that was used within a clients application resulting in maximum throughput and a reduction of a VM on their virtualized system.
- Improved build and deployment pipelines for a data analytics service within Jenkins CI/CD.
- Addressed regular production bugs and improvements in existing data analytics service using Clojure/Java, and utilizing Jenkins CI/CD to deliver results.
- Designed application to be usable within a disconnected, Intermittent, limited bandwidth environment.
- Designed and Implemented a containerized data science lab using docker and docker-compose for teaching upcoming marine analysts under MOS 2659.

Euterpe Solutions LLC *Freelance Work* July 2018 – Present
- Created a WordPress website for a client showcasing artwork for sale with a WooCommerce plugin.
- Created a WordPress website for a client's historical restoration, architecture, and construction company.
- Created an improved backend dashboard/administrative system for a homeschool accountability association using PHP, MySQL, HTML, JS, and CSS deployed on AWS.

Center for Digital Humanities, University of South Carolina Columbia, SC *Software Development Intern* September 2016 – April 2018
- Designed, developed, and updated websites for the Center for Digital Humanities using Django and the MEAN stack.

NIWC, Naval Information Warfare Center Charleston, SC *Data Engineer Intern, Secret Security Clearance* May 2017 – August 2017

NIWC, Naval Information Warfare Center Charleston, SC *Software Engineering Intern, Secret Security Clearance* May 2016 – August 2016

NIWC, Naval Information Warfare Center Charleston, SC *Security Engineering Intern* May 2015 – August 2015

EDUCATION

UNIVERSITY OF SOUTH CAROLINA, SCHOOL OF ENGINEERING AND COMPUTING Columbia, SC *Bachelor of Science in Computer Science* May 2018

PROJECTS

Quantify - A simplified Mint clone using GoLang, ReactJs, Firestore, and GCP. Sign-in using GCP identity platform, sandbox financial data using plaid API. Code hosted on bitbucket with a Jenkins CI/CD pipeline on GCP.

clj-gdrive-downloader - Minimal clojure utility to download shared compressed files from Google Drive.

clj-lexrank - Clojure LexRank implementation for extractive document summarization.

SKILLS

PROGRAMMING LANGUAGES – Clojure, Java, Python, Golang, ReactJS, JS, HTML, CSS, PHP, Angular, C/C++
SOFTWARE – JetBrains IDE (PyCharm, Intellij), VsCode, Git, Atlassian Suite, Jenkins, Nexus Repository, VirtualBox, Vmware
OPERATING SYSTEMS – CentOS, Ubuntu, Arch, Gentoo,Windows
DATABASES – MySQL, Mongo
CLOUD COMPUTING – AWS, GCP
CONTAINERIZATION TOOLS – Docker, docker-compose