

Tim Parsons

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EDUCATION

Clemson University

Bachelor of Science in *Computer Engineering*, December 2018

Clemson, SC

GPA: 3.63

WORK EXPERIENCE

Naval Information Warfare Center (NIWC) – Charleston, SC

January 2019 - Present

Software Engineer

- Designed and maintained a containerized (Docker), Python-driven (Flask back-end framework with MongoDB), web-based service utilizing business intelligence software (Metabase) with user authentication that ingests financial and engineering data for my division to display insightful graphs, charts, and metrics.
- Established the software baseline and holistic technical guide of a newly fielded cloud-based Program of Record (PoR).
- Assisted Marines in real-time by troubleshooting PoR issues, attending to sysadmin needs, and testing proof-of-concept ideas.
- Fielded, configured, and troubleshooted Nutanix and ESXi based enterprise service stacks paired with Cisco and Juniper based transport boundaries at various Marine Corps bases across the Pacific.
- Acted as POC with multiple companies to set up both local and remote demos to analyze the cost, risk, and performance of various COTS solutions against currently fielded solutions.

Itron – West Union, SC

January 2016 - August 2017

Clemson University Co-op – SWE

- Created and managed a WAMP server to display meter statistics and data sourced from the Itron network.
- Assisted in development of automated test framework for power-cycling and continuously running meters.
- Refactored legacy code to be more efficient or change functionality.
- Developed a responsive C# application with custom, flexible graphing capabilities to read meter databases and display graphical data of various tests ran on the meter(s).

SKILLS AND CERTIFICATIONS

SECRET Security Clearance

Programming:

- Proficient: Python, C
- Average: C++, C#, PHP, JavaScript, Powershell

OS Platforms: Windows, CentOS, Ubuntu

Applications/Other: PostgreSQL, SQLite, MongoDB, Visual Studio and Code, Docker, GitHub, Virtual Box, Nutanix, VMware ESXi & Workstation/Player, Proxmox, InfluxDB, Grafana, FreeNAS, Flask, Laravel, Microsoft Office, Microsoft IIS, Sass, jQuery, Batch & Bash scripting.