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CORE COMPETENCIES & TECHNICAL STRENGTHS

✓	Python	✓	Java	✓	Linux
✓	C	✓	JavaScript & HTML	✓	PHP
✓	C++	✓	Agile Methodology	✓	Git
✓	React	✓	REST APIs	✓	Splunk & Enterprise Security

EXPERIENCE & NOTABLE CONTRIBUTIONS

Department of the Navy PORTSMOUTH NAVAL SHIPYARD, KITTERY ME

July 2023 - Present

IT SPECIALIST - SPLUNK ADMINISTRATOR AND DEVELOPER

- Within 6 months became the sole Splunk administrative Subject Matter Expert for the Shipyard, significantly improving the organization's environment and passing a Government audit with flying colors due to changes I implemented.
- Developed multiple software based solutions to address organizational deficiencies across departments by utilizing Splunk to its fullest potential. Including but not limited to: Custom REST API Endpoints, Automated Ticket Creation based on Splunk Alerts, Custom REACT Applications, and Environment-Wide Configuration Changes to Improve Resiliency.
- As a Splunk customer, identified desired areas/metrics that the Monitoring Console did not cover. Using a mix of custom code and Splunk's developer tools I created solutions to provide our team with these metrics. I packaged one of these into the **Index Health App**, which has been published on [Splunkbase](#).
- Lead administrator of a robust Splunk Enterprise environment including Splunk Enterprise Security.

Warden: Web App Control Flow Integrity WORCESTER, MA

August 2022 – March 2023

SENIOR CAPSTONE PROJECT

- Developed [Warden](#), a bloom filter based system to enforce control flow integrity for web servers in the “Single-Use Server” model, a network architecture that utilizes containerization to separate client interactions and prevent attack persistence and propagation.

Software Defined Networking Through OpenFlow WORCESTER, MA

March 2022 – May 2022

ADVANCED COMPUTER NETWORKS TERM PROJECT

- Worked in a three-person team to develop a software defined network for an Advanced Networks course at WPI which utilized OpenFlow protocol and the Ryu OpenFlow controller API. The controller was then programmed to allow for thorough traffic monitoring, routing, black/whitelisting, and packet editing capabilities. For more information see my [GitHub](#).

Brigham and Women's Hospital App WORCESTER, MA

March 2021 – May 2021

SOFTWARE ENGINEERING TERM PROJECT

- Worked in a team of 11 to develop a [hospital kiosk application](#) for Brigham & Women's Hospital in Boston for a Software Engineering course at WPI. Served as Assistant Lead Engineer and Product Manager for the team.
- The application had many features including but not limited to inter-hospital pathfinding, hospital map editing, service request systems, google maps directions and email capabilities.
- Class was structured to give students experience working in a corporate software development environment, utilizing the **Agile** project management methodology. Students assigned applicable roles and organized self-run daily Scrum meetings to complete goals on time.

EDUCATION & AWARDS

**Bachelor of Science in Computer Science with
Focus in CyberSecurity - May 2023**

Worcester Polytechnic Institute, Worcester, MA. GPA: 3.95

**Department of Defense SMART Scholarship - April
2021**

Received a full tuition Scholarship for Service award for students in STEM fields.

WPI High Distinction - May 2023

Graduated WPI with High Distinction.

Splunk Certified Administrator - June 2024

License #: Cert-380625