PAUL SCHULTZ

Software Engineer

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Menomonie, WI | Kasson, MN

EXPERIENCE

Software Engineer Intern

Red Hat

05/2021 - Ongoing Remote

Red Hat is a software company.

- Furthered an open standard defining containerized development environments that enables developer tools to simplify and accelerate workflows called devfile
- Administered an online registry viewer for devfiles
- Updated the design of the devfile documentation
- Developed a way to leverage docker compose inside devfile

Information Systems Security Intern

Menards

06/2020 - 04/2021 Eau Claire, WI

Menards is a home improvement retail company.

- Automated crucial weekly reports using Python and the Pandas library or Splunk and increased efficiency upwards of 90%
- Coordinated with upper management and the CIO to audit and update old policy
- Restructured web applications and IP assets using the Qualys API to allow the creation of dashboards and alerts
- Designed a working cybersecurity dashboard suite and detected a professional pentester on multiple occasions
- Integrated Active Directory logging using Splunk to include important information security events; thus, allowing alerts to be generated when an indicator of attack occurs

SKILLS

Programming Languages

TypeScript **JavaScript** **CSS** **HTML** **Python**
Golang **GraphQL** **SQL** **Git** **C++** **Java**

Web Frameworks and Libraries

React **Next.js** **TailwindCSS** **PatternFly**
Express.js

EDUCATION

Bachelor of Science in Applied Mathematics and Computer Science

University of Wisconsin-Stout
3.96/4.00 GPA - Graduation 05/2022

- Devised, organized, and led events for Stout Catholic
- Awarded the Chancellor's Scholarship for academic achievement
- Received the IBM Watson Scholarship for academic achievement and civil leadership
- Collaborated with a professor on a math research project and presented our findings to the Mathematical Association of America

PROJECTS

Devfile

05/2021 - Ongoing
https://github.com/orgs/devfile/dashboard

Red Hat Project

- The project goal is to define an open standard defining containerized development environments that enables developer tools to simplify and accelerate workflows.

Fly Fish Casting

02/2020 - Ongoing
https://github.com/schultzp2020/Fly-Fish-Casting

Research Project

- The research project will demonstrate the fly fish casting differences between mathematical theory and practice by modeling the fly through the air. Utilizing Python, the research project will use the Scipy library to create a second order differential equation and then the results will be used to create a model of the motion.