**Matthew Pomes**

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**OBJECTIVE**

To develop my programming and collaboration skills through a coop/internship during the Summer of 2022.

**EDUCATION**

University of Wisconsin-Stout, Wisconsin’s Polytechnic University, Menomonie, WI

Major: **Computer Science** Concentration: **Cybersecurity and Secure Software Development**

Major: **Applied Math and Computer Science** Concentration: **Interdisciplinary**

Degree: **Bachelor of Science**, December 2023 GPA: 3.0

**TECHNICAL SKILLS**

**Languages**: Rust, Python, Java, C, C++, Objective-C, C#, Assembly, JavaScript, HTML, CSS, LaTeX

**Technologies**: OpenGL, Vulkan, Git, Web Development, IP-Sec, Docker

**Software**: Eclipse, Visual Studio, Blender, Inkscape, Packet Tracer, Word, Excel, PowerPoint, Vim, Slack, Unity, Windows 7, Windows 10, Windows Server, WSL, Linux, Yocto Linux

**RELEVANT COURSEWORK**

Discrete Math Intro to Networking, I & II Linear Algebra Data Structures

Database Systems Network Systems Design Calculus I, II, & III Algorithms

Cryptography Workstation & Server

**EXPERIENCE**

**Firmware Engineer Intern**, Eaton July 2021 – Aug 2022

* Worked on firmware for a Recloser control
* Implemented IP-Sec connections for the control
* Implemented IEC 62351-8 Certificate based Authentication

**Contributor**, Rocket Web Framework Jan 2021 – Present

* A fast, secure, async web framework for Rust
* I contributed to the development of 0.5, and am working on adding WebSocket support to Rocket

**Webserver Admin (Contestant)**, National Collegiate Cyber Defense Competition (CCDC) Dec 2019 – Present

* Protected Linux and Windows servers against an active red team
* Won State competition in Wisconsin for UW-Stout

**Lead Programmer**, First Robotics Team 1732, Milwaukee, WI September 2017 – March 2019

* Wrote fully autonomous climbing code for our robot
* Organized our team efforts, and implemented source control via Git

**Team Member**, Cyberpatriot team, Milwaukee, WI September 2015 – March 2019

* Secured desktop images and implemented security policies
* Coordinated efforts to secure several desktop images
* Configured a network for the secure transmission of data

**OTHER EMPLOYMENT**

Computer Science/Math Tutor, UW Stout September 2020 – Present

**INVOLVEMENT**

Volunteer, various Cub Scout camps, Milwaukee, WI June – August 2016 and 2017

Eagle Scout August 2018

**PROFESSIONAL DEVELOPMENT**

Member, Information Security Professionals, UW-Stout September 2019 – Present

Member, IEEE Student Chapter, UW-Stout September 2019 – Present

Member, AMCS, UW-Stout September 2019 – Present