

Noah Lessard

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EDUCATION

University of Wisconsin Madison

Bachelor of Science in Computer Engineering and Computer Science — GPA 3.9

Madison, Wisconsin

2022 - 2026 (Expected)

- Computer Science 1/2/3
- Wisconsin Cyber Security Club Leadership
- Dean's Honors List

PROJECTS

File Exposure Bug Bounty | Burpsuite, WAFs, Joomla CMS, HTTP headers

August 2023

- Developed a web scraper to find a blog with 200+ daily subscribers with an active VDP
- Used knowledge of HTTP Headers and CMS to locate exposed configuration files
- Compiled findings and worked with site admin to propose a solution and fix the security issue

Linux Honeypot | Google Cloud, JSON Data Analysis, Linux, JavaScript, SSH

July 2023

- Utilized Google Cloud Computer Engine to host a Linux OS honeypot over the SSH protocol
- Logged and analysed 175 unique connections and 31 attacks over a 87 hour time period
- Created a Leaflet JavaScript map to visualize connections and attempted logins

Net-Tracer | Python, Flask, Nmap, Web Design, XML, Wireshark

Mar 4 2023 – Mar 5 2023

- Developed a public network scanner for a 24 hour contest using Flask and Nmap
- Connected XML backend to a TCP/IP port database in order to perform vulnerability analysis
- Polished web design skills by creating a stylized front end with JavaScript and CSS

Arch HomeLab | Linux, Firewalls, Systemctl, Openvpn, Encryption

Apr. 2022 – Present

- Designed and managed a home server with custom networking, using VPNs and firewalls
- Hosted 6 local services and 3 TB of data for friends and family on a wireless LAN
- Improved hardware security with features such as an encryption key locking system on the hard drive

EXPERIENCE

Cybersecurity Club Webmaster

Sept. 2023 – Current

University of Wisconsin Madison

Madison, WI

- Collaborating with senior club leadership to redesign and update club website written with Hugo
- Assisting in designing web based meeting activities themed around cybersecurity challenges
- Implementing functional cybersecurity measures in a professional environment with professors and alumni

Freelance Programming Assistance

Dec. 2020 – Feb. 2021

Dinocorp

Seattle, WA

- Communicated with a small team of developers to assist in the manufacturing of motor controllers
- Ported C motor firmware code to different microcontroller environments
- Led an effort to automate processes which decreased the total time to manufacture units

Woodworking Shop Work

Jun – Aug 2022 & 2023

Center For Wooden Boats

Seattle, WA

- Worked under experienced boatwrights to maintain a fleet of historic wooden boats
- Improved team skills collaborating with and orienting coworkers and volunteers
- Learned to adapt to new environments quickly and still deliver projects in time for deadlines

TECHNICAL SKILLS

Languages: Java, Python, Go, HTML/CSS, Javascript, SQL

Platforms: MacOS, Arch, Fedora, Ubuntu, Asahi, Windows

Developer Tools: Git, Visual Studio, Colab, Eclipse, Openvpn, Cura, FreeCAD, AWS, Azure, SSH

Productivity Tools: Excel, PowerPoint, Docs, Slides

Cybersecurity Tools: Nmap, Burpsuite, Wireshark, Ghidra, UFW, Metasploit, SQLMap