

Noah Lessard

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EDUCATION

University of Wisconsin Madison

Bachelor of Science in Computer Engineering — GPA 3.9 — Relevant Coursework:

Madison, Wisconsin

2022 - 2026 (Expected)

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

PROJECTS

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

August 2023

- Injected Duplicate HTTP Host Headers to bypass a WAF
- Researched Joomla File Structure to navigate to sensitive, exposed information
- Documented findings and sent to admin email, who asked to remain private

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

July 2023

- Used Google Cloud VMs to host a Cowrie honeypot that simulates a linux OS
- Logged and analysed 175 unique connections 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*

Mar 4 2023 – Mar 5 2023

- Developed a public network scanner for a 24 hour hackathon
- Deepened my knowledge of Nmap, XML, and port analysis
- Built web design skills for managing a stylized front end with JavaScript

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

Apr. 2022 – Present

- Developed and managed a home server with custom networking, VPN and firewall requirements
- Hosted 6 open-source local services and over 3 terabytes of data on a Wifi LAN
- Implemented custom security features such as a USB 2048 bit key locking system

EXPERIENCE

Freelance Programming Assistance

Dec. 2020 – Feb. 2021

Dinocorp

Seattle, WA

- Communicated with small teams of developers to assist in entrepreneur projects
- Ported C motor firmware code to different microcontroller environments
- Utilized Python to automate the process of flashing firmware to hundreds of controllers

Woodworking Shop Work

Jun – Aug 2022 & 2023

Center For Wooden Boats

Seattle, WA

- Worked under experienced boatwrights to maintain a rental fleet of historic wooden boats
- Built team skills collaborating with 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

Platforms: MacOS, Arch, Fedora, Ubuntu, Asahi

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

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