

Noah Lessard

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EDUCATION

University of Wisconsin Madison

Madison, Wisconsin

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

2022 - 2026 (Expected)

- Computer Science 1/2/3
- Calculus 1/2/3
- Physics 1/2
- Wisconsin Cyber Security Club

Mercer Island High School

Mercer Island, Washington

Unweighted GPA 3.9 — Relevant Coursework

2018 - 2022

- AP Computer Science A
- AP Scholar with Distinction

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

PROJECTS

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

August 2023

- Used google dorking and subdomain iteration to find a vulnerable website with a responsible disclosure agreement
- 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, asked to remain private

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

Mar 4 2023 – Mar 5 2023

- Developed a public network scanner for a 24 hour hackathon
- Given a public IP range, the scanner finds open ports, who-is information, checks spam lists for matches, and saves the information as XML files.
- Developed a deeper knowledge of Nmap
- Developed web design and flask skills for managing a stylized front end with JavaScript

Arch Server and Website | *Linux, Firewalls, Systemctl, AWS, Openvpn*

Apr. 2022 – Present

- Developed and managed a home server with custom networking, VPN and firewall requirements
- Maintained and provided 6 open-source locally hosted services and over 3 terabytes of data, with backup and lookup management
- Implemented custom security features such as a USB 2048 bit key locking system
- Created a website to document the project, run on AWS, linked on GitHub page

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