NESSA (KODO) MADISON

Denver, CO | nessakodo@gmail.com | GitHub | LinkedIn

CYBERSECURITY-FOCUSED SOFTWARE ENGINEER

Motivated and detail-oriented Computer Science student with hands-on experience in cybersecurity, frontend development, and real-world problem solving through hackathons and freelance projects. Passionate about building secure systems, improving threat detection, and contributing to mission-critical environments. Currently pursuing a Certificate in Cybersecurity & Secure Computing.

EXPERIENCE

Business Development Manager | *PDS Research Foundation – Jan 2024 – Present*
>   Modernized/secured website resulting in a 20% reduction in security vulnerabilities and a 10% increase in donation efficiency by implementing security updates and integrating a new CMS.

Outreach Officer | *AI Student Association – Feb 2025 – Present*
>   Enhanced student engagement by 2x by leading strategic partnerships and organizing collaborative events with cybersecurity and robotics focused organizations and faculty.

Freelance Software Engineer | *Self Employed – Feb 2023 – Present*
>   Increased client satisfaction by 25% by developing and maintaining responsive React/Node.js web applications and delivering end-to-end solutions.

Hackathon Mentor | *ETHDenver – Mar 2023*
>   Led participants through technical debugging, collaboration, compliance, and MVP deployment.

EDUCATION

University of Colorado Denver | Major in Computer Science (2023 – *Expected Graduation Fall 2025*)

University of Colorado Boulder Leeds School of Business | Major in Entrepreneurship (*2019 – 2022*)

TECHNICAL PROJECTS

PhishKiller | GitHub | Demo
Terminal-style phishing analyzer that flags suspicious URLs and email headers using heuristic scoring, SPF/DMARC checks, and blacklist lookups. Includes real-time threat feedback and downloadable reports.

CareSense | 3rd Place Winner, AurariaHack 2025 | GitHub | Demo
An AI-powered triage assistant that improves symptom classification and care guidance using OCR and scikit-learn. Built with Streamlit, secure logging, and recurring symptom detection.

TECHNICAL SKILLS

Security: Kali Linux, Metasploit, Wireshark, Suricata, OpenEDR, SPF/DMARC, Network Analysis, Vulnerability Assessment; Cloud: AWS, Docker; Programming: Python, JavaScript, C, C++, TypeScript, Bash; Web Development: HTML/CSS, React, Redux, Tailwind, Node.js; Data & AI: SQL, Postgres, scikit-learn, Streamlit, OCR; Tools: Git/GitHub, Agile

CERTIFICATIONS

Software Engineering Certificate (Flatiron School - 2022), Cybersecurity Certificate (UCD - In Progress), CompTIA Security+ (In Progress), CISSP (Planned)