

SHINJI NOBUHARA

www.linkedin.com/in/shinji-nobuhara

EDUCATION

Master of Science, Computer Science, University of Illinois Urbana-Champaign, Chicago, IL, USA
Expected January 2026

Bachelor of Computer Science, Oregon State University, Corvallis, OR, USA
GPA: 3.94 / 4.00

WORK EXPERIENCE

IT Security Engineer, Omron Software, Kyoto, Japan Mar. 2021 - Jul. 2024

- Analyzed and mitigated threats using Microsoft Defender for Endpoint, Securonix, Carbon Black, CrowdStrike, Sentinel, and Splunk.
- Optimized threat detection workflows, reducing response time and enabling incident reporting within 30 minutes.
- Revised and updated development security policies to align with the NIST Cybersecurity Framework (CSF) 2.0, incorporating best practices for risk identification, protection, detection, response, and recovery.
- Conducted vulnerability assessments using AppScan and Nessus Professional, identifying vulnerabilities based on OWASP Top 10 and CVSS scoring.

Software Engineer, Staff Service Engineering, Okayama, Japan Jul. 2019 - Feb. 2021

- Developed a home-visit nursing system using VB.NET and Microsoft SQL Server, with a focus on back-end development.

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, PHP, VB.NET, SQL

Frameworks and Tools: Flask, Node.js, React, Bootstrap, Laravel, ZeroMQ, OpenMP, Cuda, OpenCL, MPI

Security Tools: Microsoft Defender for Endpoint, Securonix, Carbon Black, CrowdStrike, Sentinel, Splunk, AppScan, Nessus, Nmap, Gobuster, Burp, John the Ripper

Databases: Microsoft SQL Server, MySQL, SQLite

Operating Systems: Windows, Linux

PROJECTS

Personal Project, Penetration Test Project

- Construct attack and vulnerable virtual machines in VirtualBox, execute penetration tests using Nmap, Gobuster, Burp, and John the Ripper, and gain root user flag.
<https://github.com/nobu1/PenetrationTestProject>

Student Project, Website Security Research Project, Oregon State University, Corvallis, OR Feb. 2025 - Apr. 2025

- Built a vulnerable Flask web app and applied security hardening techniques.

Student Project, Microservice Architecture Project, Oregon State University, Corvallis, OR Dec. 2024 - Feb. 2025

- Designed and implemented a console application with a micro services architecture, leveraging Python and ZeroMQ to enable robust, asynchronous communication between services.
https://github.com/nobu1/restaurant_management_microservice
https://github.com/nobu1/planning_management_service

Student Project, Unix-like Shell Project, Oregon State University, Corvallis, OR Dec. 2024 - Feb. 2025

- Developed a Unix-like mini shell in C, implementing core features such as command parsing, process management, and input/output redirection.
https://github.com/nobu1/small_shell
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SOFT SKILLS

- Strong problem-solving abilities
- Team collaboration and communication
- Adaptable and eager to learn