

# SHINJI NOBUHARA

[www.linkedin.com/in/shinji-nobuhara](https://www.linkedin.com/in/shinji-nobuhara)

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## 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

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## 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.

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## 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

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## 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/restaurant_management_microservice)  
[https://github.com/nobu1/planning\\_management\\_service](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](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