SHINJI NOBUHARA

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EDUCATION

Master of Science, Computer Science, University of Illinois Urbana-Champaign, Chicago, IL, USA Expected August 2025

Bachelor of Science, Oregon State University, Corvallis, OR, USA June 2025
GPA: 3.94 / 4.00
Bachelor of Science, Electrical Engineering and Computer Science

Master of Science, Kyushu Institute of Technology, Fukuoka, Japan March 2008
Master of Science, Department of Biological Functions Engineering

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
Databases: Microsoft SQL Server, MySQL, SQLite
Operating Systems: Windows, Linux

PROJECTS

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_servicemicroservices

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

SOFT SKILLS

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