

Shinji Nobuhara

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EDUCATION

University of Illinois Urbana-Champaign
Master of Science, Computer Science(Chicago-based)

September 2025 -
Illinois, United States

Oregon State University
Bachelor of Science, Electrical Engineering and Computer Science
Current GPA 3.94 / 4.00

September 2023 - Present
Oregon, United States

Kyushu Institute of Technology
Master of Science, Department of Biological Functions Engineering

March 2008
Fukuoka, Japan

Computer Science Projects

Website Security Research Project

Spring 2025

- Developed a vulnerable Web application using Flask and hardened the application

Microservice Architecture Project

Winter 2024

- Developed a console application using Python and ZeroMQ
https://github.com/nobu1/restaurant_management_microservice
https://github.com/nobu1/planning_management_service

Unix-like Shell Project

Winter 2024

- Developed a Unix-like mini shell application using the C language
https://github.com/nobu1/small_shell

Skills

Coding: VB.NET, SQL, Java, Javascript, PHP, Python, C/C++, OpenMP

Framework: React, Node.js, Flask, Bootstrap, Laravel

WORK EXPERIENCE

IT Security Engineer

Omron Software

March 2021 - July 2024

Kyoto, Japan

- Analyzed company information system threats using Microsoft Defender for Endpoint and Securonix as a tier 2 analyst
- Analyzed company information system threats using Carbon Black, CrowdStrike, Sentinel, and Splunk as a tier 1 analyst
- Organized threats detection processes using Microsoft Defender for Endpoint
- Improved development security rules which comply with NIST Security Framework
- Conducted vulnerability assessment using AppScan and Nessus Professional

Programmer

Staff Service Engineering

July 2019 - February 2021

Okayama, Japan

- Developed the home-visit nursing system using VB.NET and Microsoft SQL Server as a back-end developer