

# SHINJI NOBUHARA

828, Maguwa, Nagi-Cho, Katsuta-Gun Okayama, Japan, 708-1301  
+819089906589 | shinjin2@illinois.edu | [www.linkedin.com/in/shinjinobuhara](http://www.linkedin.com/in/shinjinobuhara)

---

## 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  
Apr. 2025 - Jun. 2025

- Developed a deliberately vulnerable Flask web application to demonstrate common security flaws such as OWASP Top 10, then systematically applied security hardening techniques—including input validation, CSRF protection, and secure cookie settings—to mitigate these vulnerabilities.

**Student Project**, Microservice Architecture Project, Oregon State University, Corvallis, OR

Jan. 2025 - Mar. 2025

- Designed and implemented a console application with a microservices architecture, leveraging Python and ZeroMQ to enable robust, asynchronous communication between services.  
[https://github.com/nobul/restaurant\\_management\\_microservice](https://github.com/nobul/restaurant_management_microservice)  
[https://github.com/nobul/planning\\_management\\_servicemicroservices](https://github.com/nobul/planning_management_servicemicroservices)

**Student Project**, Unix-like Shell Project, Oregon State University, Corvallis, OR

Jan. 2025 - Mar. 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/nobul/small\\_shell](https://github.com/nobul/small_shell)

---

## SOFT SKILLS

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