

## Shinji Nobuhara

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## EDUCATION

University of Illinois Urbana-Champaign  
**Master of Science, Computer Science**

Expected: August 2025  
Chicago, IL, USA

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

September 2023 - June 2025  
Corvallis, OR, USA

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

March 2008  
Fukuoka, Japan

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## WORK EXPERIENCE

**IT Security Engineer**  
Omron Software

**March 2021 - July 2024**  
Kyoto, Japan

- Analyzed and mitigated threats using Microsoft Defender for Endpoint, Securonix, Carbon Black, CrowdStrike, Sentinel, and Splunk.
- Streamlined threat detection processes and enhanced incident response protocols.
- Updated development security rules to align with the NIST Security Framework.
- Conducted vulnerability assessments using AppScan and Nessus Professional.

**Software Engineer**  
Staff Service Engineering

**July 2019 - February 2021**  
Okayama, Japan

- 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

**Databases:** Microsoft SQL Server, MySQL, SQLite

**Operating Systems:** Windows, Linux

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## Projects

**Website Security Research Project**

Spring 2025

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

**Microservice Architecture Project**

Winter 2024

- Created a microservices-based console app using Python and ZeroMQ.  
[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)

**Unix-like Shell Project**

Winter 2024

- Implemented a Unix-like mini shell in C.  
[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