

YUTA TOKOI

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EDUCATION

University of Melbourne

Feb 2024 - Present

B.Sci in Computing and Software Systems
Overall WAM: 83 (equivalent to 4.0 GPA)

Northeastern University

Sep 2022 - Dec 2023

B.S. in Cybersecurity
Studied for 3 semesters before transferring.
Overall GPA: 3.93 (on Dean's list)

PROFESSIONAL EXPERIENCE

DIGITAL GRID Corporation

Dec 2024 - Feb 2025

Cybersecurity Enginner Intern

Minato-ku, Tokyo

- Implemented the Trivy vulnerability scanner into CI through GitHub Actions as part of a shift-left strategy.
- Eliminated all "CRITIAL" and "HIGH" vulnerabilities in the infrastructure and codebase found thorough Trivy, GitHub Dependabot, AWS Security Hub. This required analysing traffic on AWS to ensure the safety of the change, as well as modifying the Terraform code for the infrastructure.
- Improved cloud deployment security by changing Docker images to run in rootless mode.
- Japanese was the language used at the company and throughout my internship.

OTHER EXPERIENCE

Legislative Copilot

Feb 2025

- Microsoft Word add-in tool to assist legislative clerks in drafting bills in Japan.
- Utilised the Retrieval-augmented generation (RAG) technique for Large Language Models (LLMs) to get an accurate and up-to-date source for Japanese legislation. RAG also allows for finding the exact source and link to the legislation for reference.
- This was developed for a [hackathon](#) hosted by the Digital Agency in Japan.

Open source

- Contributions to the Trivy and trivy-actions GitHub repositories, with 1 merged PR, and active contributor to the Discussions and Issues.
- Currently working on [mSCP-nix](#). mSCP-nix is a Nix implementation of the macOS Security Compliance Project (mSCP), which is a project by NIST (National Institute of Standards and Technology) to secure and assess macOS desktop and laptop system security in an automated way.

CERTIFICATIONS

Google Cybersecurity Professional Certificate, Google Data Analytics Professional Certificate, Fundamental Information Technology Engineer Examination (基本情報技術者試験), CompTIA ITF+

SKILLS

Programming languages

Python, C, Java, Go

Tools

Git, GitHub Actions, Trivy, Vim/Neovim, Nix, Linux, macOS

Cloud

AWS, Docker, Terraform

Others

Fluency in English and Japanese