YUTA TOKOI

yutatokoi@proton.me | GitHub | +xx xxx xxx xxx | +xx xx xxxx xxxx

EDUCATION

University of Melbourne   Feb 2024 - (expected) Dec 2026
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 (Dean's list)

PROFESSIONAL EXPERIENCE

Sansan, Inc.   Dec 2025
Security Enginner Intern   Shibuya-ku, Tokyo

· Created an internal AI agent for automating security design reviews. Achieved 95.8% accuracy, 0% false negative rate, 4.2% false positive rate. This beat AWS Security Agent performance.
· Reduces review lead times by 2 business days.
· Used Slack as the interface, and hosted with AWS Bedrock and Lambda.

Atrae, Inc.   Jul 2025 - Jul 2025
Software Enginner Intern   Minato-ku, Tokyo

· Rewrote the backend for a page on a legacy web application written in Ruby on Rails to Go (Gin framework). Created an API endpoint to return JSON to serve to the frontend.
· Worked with the frontend engineer to define the JSON output to return.
· Planned out the structure of the code with diagrams, and using it to communicate with my mentor to determine the validity of my plan.

DIGITAL GRID Corporation   Dec 2024 - Feb 2025
Security 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 thorugh 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.

OTHER EXPERIENCE

Open source

· Contributions to the Trivy ecosystem GitHub repositories, with merged PRs. Example: adding support to scan Ubuntu 25.04 Docker images.

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	Claude Code, Git, GitHub Actions, Trivy, Vim/Neovim, Nix, Linux, macOS
Cloud	AWS, Docker, Terraform, Datadog
Others	Fluent in English and Japanese at business level