Sorathorn Thongpitukthavorn

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EDUCATION

Boston University College of Art and Science, B.A. in Computer Science   **Boston, MA**
Relevant Coursework: **Sep 2022 - May 2026**
Algorithms, Distributed Systems, Concepts of Programming Languages, Computer Systems, and Cybersecurity

RELEVANT EXPERIENCES

SIP Bangkok Bank Internship   **Bangkok, Thailand**
Intern   **July 16, 2024 - August 7, 2024**
- Simulated a start-up for a Wolffia globosa–based soup product targeted at elderly nutrition.
- Led the R&D team to develop the final recipe, achieving ~20 g protein per serving and boosting overall nutrient density.
- Presented and delivered the final report to a panel of 3 judges in a competition among 8 teams, earning 2nd place.

Asia Inter Rice   **Bangkok, Thailand**
IT Support Technician   **May 13, 2024 - July 12, 2024**
- Refurbished PCs by replacing faulty components, removing virus infections, and renewing software licenses. Saving approximately $12K in hardware and software replacement costs
- Resolved hardware/software issues, saving over $20K in total costs during an 8-week internship

PROJECTS

PocketVault – USB-Based Password Manager
- Developed a Chrome extension that securely stores website credentials on a USB drive using AES-256-encrypted SQLite and a FastAPI backend.
- Led front-end development, building the extension UI and core features like autofill, credential capture, and secure master key handling. Also packaged the FastAPI backend into a Windows executable for easy deployment.

Google Cloud-Powered QR Code Generator & URL Shortener
- Developed a responsive QR code generator and URL shortener via Flask and Tailwind CSS on Google Cloud
- Integrated Firestore (URL storage) and Cloud Storage (QR image storage)
- Implemented a CI/CD pipeline via GitHub Actions to automate Docker image building, pushing to Google Cloud Artifact Registry, and deployment

SIEM with Wazuh on AWS EC2
- Set up and configured a Wazuh-based SIEM system on AWS EC2 with Amazon Linux 2 for log aggregation, security event monitoring, and alerting
- Integrated Nginx for logging HTTP connection attempts and tested system functionality by simulating failed login attempts, verifying event capture and alerts

Interpreter Language In OCaml
- Designed and built a custom interpreter in OCaml, implementing parsing, lexical analysis, and evaluation features

CERTIFICATES

CompTIA Certificates:
- CompTIA Network+
- CompTIA Security+
- CompTIA IT Fundamentals (ITF+)
- CompTIA A+

SKILLS

Programming Languages: **Tools:**
Python, Java, Bash, Javascript, HTML, CSS, C, Go, and OCaml   AWS, Linux, Windows, Microsoft Office, Wazuh, Visual Studio, Github, Docker,