

Sorathorn Thongpitukthavorn

[Visit My Website Portfolio!](#)

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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

3D Interactive Portfolio (Three.js · GSAP · Vite/Node.js · SCSS · GLTF/DRACOLoader · HTML5 Video API)

- Designed and built a fully interactive 3D room to showcase my projects, certifications and social links, complete with video holograms, animated objects, and click-triggered modals.
- Demonstrates my passion for creative web experiences and proficiency in modern WebGL pipelines, performance optimization and responsive user controls.

PocketVault – USB-Based Password Manager (JavaScript · Chrome Extensions API · SQLite · FastAPI · PyInstaller)

- 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.

QR Code Generator & URL Shortener (Python · Flask · Tailwind CSS · JavaScript · Google Cloud · Docker · GitHub Actions)

- Developed a responsive QR code generator and URL shortener and deployed it 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 (Wazuh SIEM · AWS · Amazon Linux 2 · Nginx)

- Deployed Wazuh SIEM on AWS EC2 (Amazon Linux 2) for centralized log aggregation, event monitoring & alerting. Integrated Nginx logs and validated alerts via simulated failed logins.

CERTIFICATES

CompTIA Certificates:

- [CompTIA Network+](#)
- [CompTIA IT Fundamentals \(ITF+\)](#)
- [CompTIA Security+](#)
- [CompTIA A+](#)

SKILLS

Programming Languages:

Python, Java, Bash, Javascript, HTML, CSS & SCSS, C, Go, and OCaml

Tools:

AWS, Linux, Windows, Microsoft Office, Wazuh, Visual Studio, Github, Docker, Node.js, Vite, Three.js