

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
Intern

Bangkok, Thailand

July 16, 2024 - August 7, 2024

- Completed a business project simulating a startup company.
- Gained hands-on experience across departments relevant to corporate operations.

Asia Inter Rice
IT Support Technician

Bangkok, Thailand

May 13, 2024 - July 12, 2024

- Resolved hardware/software issues and managed computer systems and network devices
- Developed a Python automation script using pdfplumber and pandas to reduce manual data entry time

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 Flask and Tailwind CSS, deployed via Google Cloud Run
- 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 to Google Cloud Run

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

Meta Certificates:

- [Meta Front-End Development Certificate \(HTML/CSS, JavaScript, Version Control\)](#)

SKILLS

Programming Languages:

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

Tools:

AWS EC2, Amazon Linux 2, Linux, Windows, Microsoft Office, Wazuh, Visual Studio, Github, Docker,