# **WUTTIPAT SANCHAL**

#### **EXPERIENCES**

### Internship, Royal Thai Consulate-Genaral, Chicago

May 2024 - Jun 2024

- Developed a customized POS web application to streamline the sales process for Thai gifts and souvenirs. Enhanced sales efficiency by reducing price-discount calculation time and human errors
- Improved website infographics, enhancing the user experience for submitting Thai ID cards, passports, and legalization documents
- Leverage Knowledge: multi-cultural communication, project management, and UX/UI design

## Part-Time: MN Provider Ltd. (Consulting Firm for DIPROM)

Dec 2022 - Dec 2023

- Developed an IoT prototype device using ESP32 to collect sensor data and log it into a Firebase Realtime Database, aiding in securing a project auction
- Supported the consultant with technical tasks, including cloud design, IoT system architecture, web design, and creating technical reports and proposals
- Leverage Knowledge: IoT system design, Firebase

### **SOFTWARE PROJECTS**

## Career Matching Platform (ESG-Focused)

- Created a web application to centralize information on impactful job opportunities and ESG-aligned companies, help people with impactful mindset find the right company
- Full-stack development using Next.js, Tailwind CSS, ShadCN UI, and Golang with a hexagonal architecture backend.
- Integrated features like Google OAuth login, AWS S3 file uploads, and PostgreSQL database management.
- Acted as Product Owner: collaborated with stakeholders, gathered requirements, managed project timelines, and conducted Usability testing and Design Thinking to align the product with user needs.
- <u>Utilized:</u> Next.js, Tailwind CSS, ShadCN UI, Golang, Gorm, Fiber, JWT, AWS Cloud Services, GitHub Actions, Railway, Netlify, Usability Testing, Design Thinking.

### POS Webapp: For Souvenir Selling

- Designed a POS system for use at the Minnesota State Festival
- Created a responsive user interface using React and Tailwind CSS, integrating with Google Sheets for transaction logging
- <u>Utilized:</u> React, Tailwindcss, Google Sheet, Vercel

### **CPEvent - LinkedIn Alternative for Academic Students**

- Developed a platform to help college students team up for hackathons and competitions.
- Full-stack development with React, Golang, and MySQL, following MVC architecture.
- <u>Utilized:</u> React, Tailwind CSS, Material UI, Golang, Gorm, Gin, JWT, MySQL, Cloud Services.

### **Education**

## **Chiang Mai University**

Jun 2021 - Mar 2025

• Major: Computer Engineering (GPA 3.67)

#### **SKILLS**

- Programming Languages: TypeScript, Python, Go, Java, C++, HTML/CSS
- Frameworks/Tools: React, Next.js, Tailwind CSS, Material UI, ShadCN UI, Golang, Gorm, Gin, Fiber
- Cloud/Database: AWS, Firebase, PostgreSQL, MySQL, MongoDB
- Development Practices: Usability Testing, Design Thinking, MVC, Hexagonal Architecture
- Languages: English (TOEIC: 880), Thai

#### **ADDITIONAL INFORMATION**

- Certifications: HCCDA Tech Essentials
- Awards/Activities: J-MAT Marketing Award, Semi-Final Round Startup team HACKaTHAILAND 2023, NEW Regional Startup 2023