

SHIN YAW T. YANG

Full-stack Developer

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CAREER SUMMARY:

Solution-oriented and problem solver with experience in full-stack development. Skilled in building scalable, efficient, and secure software solutions. Proficient in technical documentation, collaboration, and debugging complex systems.

WORK EXPERIENCE:

Clark International Airport Corporation

Intern Full-Stack Developer | Dec 2024 – Apr 2025

- Developed and deployed a full-stack HR Management System using React, TypeScript, and Supabase.
- Integrated Python-based modules for data processing and automation tasks.
- Created secure authentication (RBAC, RLS) and optimized database queries for seamless performance.
- Designed UI with Tailwind CSS and implemented real-time notifications, scheduling, and document storage.
- Worked on system security, debugging, and automation to enhance productivity.

Upwork

Full-Stack Developer | Nov 2024 – Dec 2024

- Built a restaurant ordering system with React, Node.js, and PostgreSQL.
- Integrated payment processing and optimized UI/UX for user engagement.
- Developed a real-time tracking dashboard for managing customer orders and analytics.
- Developed RESTful APIs and backend logic for order management and customer tracking.

RELEVANT PROJECTS:

NLP-OCR Text Detection and Extraction

- Developed a Python-based Optical Character Recognition (OCR) system using OpenCV and trOCR to detect and extract text from images.
- Integrated machine learning algorithms to enhance text recognition accuracy.
- Deployed the solution as a Flask-based web application, allowing users to upload images and retrieve extracted text.
- Built a Natural Language Processing (NLP) model to detect and correct misspelled words in user input.
- The model analyzed context and recommended the correct word based on the input.

EDUCATION:

2021 – 2025 | Holy Angel University (HAU)

Bachelor's Degree in Computer Science (Consistent Yearly Honor Student)

CERTIFICATIONS:

- Full-Stack Web Development (Udemy) – 2025
- Front-End Development (Meta) – 2025
- AWS Academy Graduate (AWS) – 2024
- CyberOps Associate (Cisco) – 2024
- CyberSecurity (Cisco) – 2021
- IoT (Cisco) – 2021

SKILLS:

- Full-Stack Development (React, Next.js, Node.js, TypeScript, Supabase)
- Database Management (PostgreSQL, MongoDB, Firebase)
- Authentication & Security (OAuth, JWT, Firebase Authentication, RBAC)
- API Development (REST, GraphQL)
- DevOps & Deployment (Docker, Kubernetes, AWS, Vercel, Netlify, GitHub Actions)
- Machine Learning (TensorFlow, PyTorch, Scikit-Learn, OpenCV)
- AI & Automation (OpenAI API, Hugging Face, NLP, Computer Vision)
- UI/UX Design (Tailwind CSS, Figma)

