

You-Ming Yeh

Web Development | Software Development

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Taiwan

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EDUCATION

•National Taiwan University

July 2021-Present

Information Management

GPA: 4.12

Key Courses: Web Programming, Text Mining, Machine Learning, Deep Learning, Data Mining, Computer Vision, Operations Research, Social Media Analysis, etc

EXPERIENCE

•Chunghwa Telecom Laboratories (Work)

UI/UX, Frontend, Backend, Database, Devops

Full Stack Developer(Part Time)

Jul. 2023 - Aug. 2023

- Developed a backend system from scratch for dining restaurants, managing reservations data for 100+ branches and processing thousands of data entries.
- Integrated modern UI/UX, DevOps, and full-stack technologies.

•PDOGS Judge (School)

Docker, GitLab CI/CD, Jenkins, Nomad

DevOps Developer

Jul. 2023 - Aug. 2023

- Utilized DevOps tools (Docker, GitLab CI/CD, Jenkins) and designed CI/CD pipelines for PDOGS, a school judging system, enhancing deployment efficiency and reliability.
- Designed the Backend and the Judge Core CI/CD pipeline for PDOGS, and used Nomad to orchestrate the deployment.

•NTU ArtFest Riddle City Dev (Other)

Next.js, PostgreSQL, SupaBase, Vercel

Full-Stack Dev

Feb. 2024 - Present

- Developed a customized interactive game platform using Next.js, SupaBase, and PostgreSQL.
- Cooperates deeply with the coordinator team to design and implement the game logic and user interface, which attracted over hundreds of participants.

•Programming Design and Optimization 2023 (School)

Web App, APIs Development, Problem Setting

System Manager and Problem Creator

Jan. 2023 - May 2023

- Developed and maintained PDAO 2023 website, showcasing the contest information, effectively attracting hundreds of participants.
- Managed the contest leaderboard and developed APIs for a programming contest and judging system, supporting an unprecedented user base of 200 participants.

WORKS

•Production Scheduling Optimization

Feb. 2024

Utilizing Operations Research to optimize the company's production schedules. [Link](#)

- Developed a production scheduling optimization system using Python and Gurobi, which significantly improved the company's production efficiency and saved cost.
- Formulated the problem as a Mixed Integer Linear Programming (MILP) model and implemented the model using Gurobi, which help the company determine the optimal production schedule for every new order.

•GitHub Blog App

Jan. 2024

A dynamic, Notion-inspired WYSIWYG editor ingeniously leveraging GitHub Issues as a backend. [Link](#)

- Engineered a comprehensive blog application using Next.js, and GitHub Issues, enabling users to effortlessly create and disseminate blogs.
- Incorporated the advanced Next.js features to enhance server-side rendering and SEO, which resulted in scores of almost 100 for all Lighthouse performance metrics.

•Event Master

Dec. 2023

Full-stack event management app. [Link](#)

- Developed a full-stack event management app using React Vite, FastAPI, and PostgreSQL, which the backend server and database is deployed on Azure App Services and PostgreSQL server myself using Docker and the Container Registry with a CI/CD pipeline using GitHub Actions.
- Designed an awesome user interface and dedicated well-structured database schemas which have over 20 relations and 10 tables, which can handle over millions of data entries with proper race conditions handling and indexing.

TECHNICAL SKILLS AND INTERESTS

Frameworks: Next.js, FastAPI, React, Express, Flask, Gin, Pytorch

Tools: React Native, GitLab, Electron, Git, Docker, Nomad, Figma, Kubernetes, Unity, Selenium, Gurobi, Azure

Coding Languages: C, C++, C#, Python, TypeScript, R, SQL

Soft Skills: Team Management, Event Planning, Document Writing and Teaching

Areas of Interest: Tech blogging (attracting thousands of visitors), exploring emerging technologies and software development trends.