

Lean Jeng Wen Joshua 連正文

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EDUCATION

NATIONAL TSING HUA UNIVERSITY

Undergraduate of Electrical Engineering and Computer Science

Hsinchu, Taiwan

Sep 2022 - Jun 2026

CHINESE TAIPEI SCHOOL (KL)

Highschool

Selangor, Malaysia

Sep 2019 - Jun 2022

COURSEWORK

UNDERGRADUATE

Computer networks

Internet of things

Image processing

Machine Learning

Software design

Data structures

Cryptography

Algorithms

SELF STUDIED

Web development

Game scripting

UI | UX design

Computer graphics

SKILLS

LANGUAGES

Javascript | Typescript

C | Cpp

Python

Matlab

TOOLS | FRAMEWORKS

Git

Sveltekit | Svelte

NextJS | React

Tensorflow | Keras

OpenCV

LANGUAGES

English, Chinese (Native)

Malay, Thai (Intermediate)

ACTIVITIES

MAKENTU: EXPLORER

Participant May 2024

HSINCHU X MEICHU HACKATHON

Participant Oct 2023

MAKENTU: EUREKA

Participant May 2023

TAIPEI METRO GO APP REDESIGN

Participant Feb 2023

HSINCHU X MEICHU HACKATHON

NXP 2nd Oct 2022

*Reference from National Tsing Hua University available on request

PROFILE

I am a motivated individual with a growing interest in software engineering and research. My skill set includes full-stack development, machine learning, and UI/UX design, which I'm continuously working to expand. I've had the opportunity to lead and collaborate on projects like NTHUMODS, which gained 6,000 users within a short launch period, where I learned the importance of effective teamwork and tried to be proactive in my involvement. While I still have much to learn, I believe my technical foundation, problem-solving skills, and commitment to learning will help me contribute positively to future projects and challenges.

PROJECTS

NTHUMODS

Oct 2023 - Now

Co Founder | Software Engineer

Open source multi-functional companion crafted for NTHU students

- Full-stack multi-platform app built with NextJS, Supabase (PostgreSQL), NodeJS. CI/CD using Github, Vercel, Sentry. Smart features powered by Tensorflow, OpenCV
- Initial launch with 6k+ users, 1.5k+ monthly active users
- Collaborated with a cross-functional team of 10+ developers, designers, marketing, public relation roles

nthumods.com

github.com/nthumodifications/courseweb

DECAPTCHA : CAPTCHA SOLVING

Feb 2023 - July 2023

Team Leader | Researcher

Researched and developed image and audio recognition models to automate solving Captcha images or audio

- Focused on preprocessing (denoising, separation) and feature engineering methods to achieve higher accuracy
- Implementation using Tensorflow, Keras, OpenCV, Librosa
- Lead and collaborated with a team of 6 researchers

github.com/joshimello/nthuaisdecaptcha

github.com/joshimello/securimagedecaptcha

EXPERIENCES

EMBA ADMISSIONS PROGRAM LAUNCH

Jan 2024 - Now

Executive Master of Business Administration, National Tsing Hua University

IT Specialist | Frontend developer

Assisted with the launch of new admission program, improving existing web page and streamlining the application process

- Provided technical solutions and traced legacy codebases

CTLD EVENT MANAGEMENT SYSTEM

Mar 2023 - Now

Center of Teaching and Learning Department, National Tsing Hua University

Full-stack developer

Developed an event management system to streamline the management of multiple events and budget applications' questions and responses

- Full-stack web app built with Sveltekit, Pocketbase (SQLite)

EECS COURSE DEMAND SURVEY

Sep 2023 - Now

& GRADUATION VERIFICATION SYSTEM

Department of Electrical Engineering and Computer Science,

National Tsing Hua University

Full-stack developer

Developed a course demand survey and graduation verification system to assist in academic planning and student progress tracking

- Full-stack web app built with NextJS, Supabase (PostgreSQL)