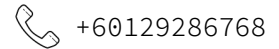


Kai Zhi Chiang

Software Engineer



SKILLS

PROGRAMMING

Proficient:

C • C++ • Shell

Familiar:

Python • SQLite • Javascript (Node.js) •
Typescript • HTML • CSS

LIBRARIES/FRAMEWORKS

Bootstrap • FastAPI • FastMCP • Streamlit

TOOLS/PLATFORMS

Git • Linux • Docker • Vercel • Netlify • Railway • Cloudflare

LANGUAGE

English • Mandarin • Cantonese • Malay

EXPERIENCE

TAU FILMS SDN BHD | VFX LIGHTING ARTIST
September 2018 – May 2025 | Cyberjaya, Selangor

- Work on shot lighting for movies, TV, commercials, ride films, etc.
 - Amazon Prime, Netflix, LEGO, Huawei, XGIMI, Genting Skyworld.
- Create light rigs for various sequences and key shots.
- Set up light file templates for multiple projects and render templates.
- Participate in multiple test projects during project bidding.
- Collaborate with the compositing team in calibrating and fine tuning render outputs to better suit their needs.
- Create layouts for the environment using various tools, f.e. MASH.
- Fine tune shaders and provide feedback to the lookdev team.
- Create hard surface lookdev for the lookdev team (LEGO).
- Support and provide guidance to colleagues for lighting and rendering related inquiries.
- Provide guidance and orientation to new lighting artists.

THE ONE ACADEMY | VFX LIGHTING LECTURER
January 2024 – December 2024 | Petaling Jaya, Selangor

- Provide lookdev, lighting and rendering workshops to final year students for their student short animation film.
- Provide introductory lighting and lookdev courses to VFX students in their second year.
- Supervise and provide guidance to final year students on their sequence and shot lighting, lookdev fine-tuning as well as rendering for the student short animation film projects.

SUNWAY EDUCATION GROUP | FOUNDATION PROGRAM PYTHON AI WORKSHOP FACILITATOR
January 2025 – Present | Bandar Sunway, Selangor

- Provide guidance and assistance to foundation program students on their python modules and deployment of Streamlit web application for the workshop.

PROJECTS

KADPILOT - AI-POWERED CREDIT CARD ADVISOR | PYTHON, FASTAPI, RAG, GEMINI API, SQLITE, DOCKER, RAILWAY, BOOTSTRAP, JAVASCRIPT, HTML, CSS)
2026

- live site URL → <https://kadpilot.up.railway.app>
- Built a full-stack RAG-powered web application that recommends Malaysian credit cards based on natural language queries, using Sentence Transformers for semantic retrieval and Gemini API for response generation.
- Designed and implemented a two-service architecture (frontend + backend) containerized with Docker Compose and deployed on Railway, with a reverse-proxy pattern keeping the backend unexposed to the browser.
- Developed a server-rendered frontend with FastAPI and Jinja2, featuring a conversational AI interface with session history, exportable JSON sessions, and an interactive card browsing dashboard with Chart.js visualizations.
- Delivered a working MVP within one week, including manual ETL architecture data collection, RAG pipeline setup, and a polished UI built with Bootstrap 5 and custom CSS design tokens.

WEBSITE FOR CSH ENGINEERING SERVICES & TRADING | BOOTSTRAP, JAVASCRIPT, HTML, CSS, NETLIFY, CLOUDFLARE)
2026

- live site URL → <https://cshengineering.com>
- Built a pure frontend static website for a small local business.
- Data is saved on local JSON files together with webp images.
- Deployed and hosts website on Netlify with automated Github deployment.
- Centralized Domain and DNS management using Cloudflare.
- Migrated old domain from GoDaddy to Cloudflare Registrar and implemented 301 redirects to the new domain. (csh-engineerings.com → cshengineering.com)
- Registered new domain URL on Google Search Console and initiated change of address for the old domain to SEO data migration.
- Registered new domain URL on various other Search Engines such as Bing and Brave for wider SEO coverage.

MINI-SHELL | C, LINUX, SHELL

2025

- github repo URL → <https://github.com/KrunchiZ/minishell>
- Created a basic shell program in C with heredoc, redirections and pipes, as well as builtins without options such as echo (with -n), export, env, unset, pwd, cd with relative/absolute path and exit.
- Implemented environment variable and glob(*) expansion in the current directory.
- Implemented && and || operators with parenthesis () .

EDUCATION

42 KUALA LUMPUR BY SUNWAY EDUCATION & KHAZANAH NASIONAL

March 2025 - Present | Bandar Sunway, Selangor

- Skills Competency Certificate in Computer Science
- 42KL x Khazanah Nasional K-Youth Program

THE ONE ACADEMY | DIPLOMA IN DIGITAL ANIMATION

Jan 2015 - September 2018 | Petaling Jaya, Selangor

- Specialisation in VFX for TV & Films (CGPA: 3.65 / 4.0)

AWARDS

THE STUDENT KANCIL AWARDS: 2019

BEST FILM & AUDIO CRAFT - ANIMATION

Bronze Medal