

Tsang Ka Wing (Louis)

[Portfolio Site](#)

[GitHub Profile](#)

EXPERIENCE

Retykle, HK — Junior Full Stack Developer

JUN 2022 - SEP 2024

- Developed reusable UI components for both the admin dashboard and member portal using React
- Implemented backend logic to support the operations of the warehouse staff
- Increased test coverage for backend utility functions
- Reduced latency by optimising database queries
- Implemented Redis queue to optimise image processing flow
- Wrote Python scripts to support the migration to S3 bucket and generate data report for the marketing and operation team
- Developed the prototype for a simple microservice that integrates with OpenAI's ChatGPT using NestJS and TypeScript
- Monitored server instances and managed PostgreSQL database on AWS through Elastic Beanstalk

CU-Date — Freelance Developer

SEP 2021 - DEC 2021

- Developed a dating app simulation to conduct a social psychology research using React and Firebase
- Designed and implemented the UI to make it look like a real dating app
- Fixed and improved the frontend features through user feedback
- Cleaned and prepared data from Firebase's firestore for data analysis
- Assisted the data analysis using Google Sheet

[Link](#)

EDUCATION

Harvard University, Online — CS50x Certificate

DEC 2020 - MAY 2021

Learned the fundamentals of computer science through completing 10 problem sets, 10 labs.

San Francisco State University, SF, CA — Degree in English

AUG 2013 - MAY 2017

Graduated with a 3.75 GPA. Developed my analytical and critical thinking skills.

SKILLS

Programming Languages

C, Python, JavaScript, TypeScript, HTML, CSS SQL

Framework

React, NestJS, Express, Django

Databases

PostgreSQL, MongoDB, Firestore

Development Tools

Git, Github, Docker

OTHER

Certifications

Free Code Camp
Responsive Web Design
Certificate

Free Code Camp
JavaScript Algorithms
and Data Structure
Certificate

Coursera x HKUST

Full-Stack Web
Development with React
Specialization