

Tsang Ka Wing (Louis)

[Portfolio Site](#)

[GitHub Profile](#)

EXPERIENCE

Lexigram — Solo Developer

SEP 2024 - NOW

- Developed a beta version of a web application for Hong Kong students to learn vocabulary through playing games
- Built simple OCR tool for text mining using Python

[Link](#)

Retykle, HK — Junior Full Stack Developer

JUN 2022 - SEP 2024

Retykle is an online platform for buying and selling new and second hand children's clothes, and I reported directly to the CTO while working in a small agile team.

- Developed UI components for both the admin dashboard and member portal using React and TypeScript
- Took initiative to increase test coverage by writing unit tests with Jest and using Cypress
- Collaborated with the marketing and operation teams to gather requirements for sprint planning
- Implemented backend logic for APIs to support the operations of the warehouse staff and marketing team
- Implemented Redis queue to optimise image processing flow
- Developed the prototype for a backend service that integrates with OpenAI's ChatGPT using NestJS and TypeScript
- Monitored the EC2 instances and RDS services on AWS

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 simulate a real dating app
- 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

Frameworks / Runtime / Libraries

React, NodeJS, Bootstrap, 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