

GUANLIN (DAVID) JIANG

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WORK EXPERIENCES

Moon Lab Limited

Software Engineer Internship (Part Time)

Hong Kong SAR (on site)
September 2024 - December 2024

Software Engineer Internship (Full Time)

January 2024 - August 2024

- Developed a transfer & earning system for the coupon on the blockchain. (**Blockchain, Fastify, TypeScript, API**)
- Developed a SaaS Platform with **2-3** companies starting to use it. (**GCP, TypeScript, Solidity, Solid.JS, Firebase**)
- Participated in the development of the enclave blockchain wallet. (**AWS, Python**)
- Designed and implemented a reference & e-mail verification system leveraging. (**Firebase, PostgreSQL, Fastify**)

Omniscol

Information Technology Internship (Full Time)

Paris, France (on site)
June 2023 - July 2023

- Implemented the API to create online meetings on MS Teams, Zoom, and Google Meetings, and the API for Google Classroom Creation, and already have **10 more** schools using it. (**Node.JS, REST API**)
- Participated in the development of the phone APP. (**React Native - Expo, TypeScript, OAuth2.0**)
- Implemented the push browser notifications in both online and offline cases. (**JavaScript**)

Evergreen Wearable Technology Limited

Full Stack & Web3 Development Internship (Full Time)

Hong Kong SAR (on site)
August 2023

- Implemented the Trading Exchange Platform (DEX & CEX). (**Python, Flask, REST API, React.JS**)

Development Apprenticeship (Part Time)

February 2023 - May 2023

EDUCATION

B.Sc (HONS) in Computer Science, The Hong Kong Polytechnic University (Hong Kong SAR)

2021 - 2025

- Nominated & Exchanged to Fudan University (Mainland, China) & University of Cambridge (UK)
- Student Representative For Department of Computing, Class of 2025

PROJECTS

Authentication RESTful API (TypeScript + Nest.JS + MySQL + Docker + Cloud Server)

- Implemented the Auth System for users to log in using the JWT token, Google, and Facebook OAuth2.0.
- The backend is deployed & maintained using the cloud server and also built network rules, firewalls, and blacklist.
- GitHub: SkyProton-Backend-API & Website

Budget iOS APP (Swift + SQLite)

- Making a Budget APP by Swift (APP) & SQLite (Database) that can record transactions offline for the user.
- GitHub: Budget-iOS-APP

Trading Engine Web API (Rust + Rocket)

- Developed a trading engine in Rust that supports market and limit orders for stock and cryptocurrency markets.
- Implemented a bid/ask order book and provided market quotes to enhance trading functionality.
- GitHub: Trading-Engine-Rust

Library Management System (Java + Oracle SQL)

- Participated in system modeling and development of controller components for managing books and users.
- Created the analysis interface to enhance user interaction and data insights.
- GitHub: Library_Management_System_Project

HONOURS & AWARDS & CERTIFICATIONS

Software Engineering Virtual Experience — J.P. Morgan & Forage

2023

Postman API Fundamentals Student Expert — Postman

2023

PolyHack2023 Hackathon - Merit Award — PolyHack Organizing Team & HKPolyU & HKSTP

2023

- Team Leader & Developer

PolyHack2022 Hackathon - Honourable Mentions Award — Google Developer Student Club – PolyU

2022

- Team Leader & Developer