

GUANLIN (DAVID) JIANG

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WORK EXPERIENCES

Moon Lab Limited

Hong Kong SAR (on site)

- Software Engineer Internship (Full Time)

January 2024 - August 2024

- Developed a payment & sharing system for coupon transfer on the blockchain with key generate & signing.
- Implemented a loyalty points earning and redemption system to enhance customer engagement.
- Developed a SAAS Platform using Firebase to integrate with Solid.JS & TypeScript for GCP Cloud Functions.
- Designed and implemented a reference & e-mail verification system leveraging Firebase Storage and PostgreSQL.
- Used Google Cloud Platform & AWS & Firebase to structure and build the system.

Evergreen Wearable Technology Limited

Hong Kong SAR (on site)

- Full Stack & Web3 Development Internship (Full Time)

August 2023

- Implemented the Crypto Spot Trading Platform with the chart by React.JS.
- Implemented the Backend Trading API with Exchange Platform (DEX & CEX) by Python.

- Development Apprenticeship (Part Time)

February 2023 - May 2023

- Implemented the GameFi Web APP connect to Web3, and developed the DApp on Ethereum.
- Wrote Solidity Smart Contract and use Node.JS to deploy on Ethereum (EVM).

Omniscol

Paris, France (on site)

- Information Technology Internship (Full Time)

June 2023 - July 2023

- Implemented the REST API use Node.JS to create the online meeting on MS Teams, Zoom, Google Meeting, and the API for Google Classroom Creation.
- Implemented the phone APP use React Native and Expo in TypeScript, also make the OAuth2 in APP login.
- Implemented the push browser notifications in both online and offline cases.

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

SKILLS

Programming Language

JavaScript, TypeScript, Python, Java, SQL, Solidity, Swift

Framework

Node.JS, RESTful API, GraphQL, Next.JS, React.JS, Solid.JS, React Native

Database

MySQL, MongoDB, PostgreSQL, Oracle

Language

English (Fluent), Chinese (Native), French (Beginner)

PROJECTS

To-do List RESTful API (TypeScript + Fastify + MongoDB)

Backend API

- Implemented a to-do list restful backend API to manage and organize tasks.
- Use MongoDB to store the user and task schemes.
- GitHub: [Todo-List-Fastify-RESTAPI](#)

Teacher Searching Platform (Next.JS + Node.JS + MySQL + Cloud Server) Web APP
- Implemented the Auth System for users to login which are using the JWT token and Google OAuth2.0.
- The backend is deployed & maintained using the cloud server and also built network rules, firewalls, and blacklist.
- GitHub: SkyProton & Website: search.skyproton.com

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

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