

CHAN YAT FU JACKY

+852 64676899 ✉ chanyatfu0616@gmail.com [in LinkedIn](#) [chanyatfu](#)

Education

The University of Hong Kong
BEng in Computer Engineering

Sept 2019 – Now
Advanced Courses GPA 3.46

- 2022-2023 Year GPA: 3.85
- A+ in Operating Systems, Digital System Design, Probabilistic Systems Analysis
- A range in OOP and Java, Computer networks, Intro to DBMS, ML, AI, Algorithm design, Integrated design project

Buddhist Sin Tak College

- IELTS (2019): 8.5 in Reading, 7.5 in Listening
- DSE English: 5* in Speaking, 5 in Writing

Professional Certifications

AWS Certified Solutions Architect – Associate (SAA-C03) – Amazon Web Services [Jun 2024]	Certificate
AWS Certified Developer – Associate (DVA-C02) – Amazon Web Services [Jun 2024]	Certificate
HashiCorp Certified: Terraform Associate (HCTA0-003) – HashiCorp [Jun 2024]	Certificate

Competitions, Honors and Awards

Winner – HKU Final Year Project Competition [Apr 2024]

- Distinguished as one of the **11 winners** among 136 HKU CE/EEE final year projects.

Finalist – HKU Generative AI Hackathon for Social Good [Oct 2023]

[Link](#)

- **Led a team of 5 developers** to secure **2nd runner-up** in the Productive Collaborative Work Award.
- Excelled to a **top 6** ranking out of 24 teams by developing an application targeting ADHD patients using **Java** and **React**.

Work Experience

Full Stack Developer – NovBee Limited

June 2023 – January 2024

Full Stack Developer – Part-time

August 2023 – January 2024

- Developing the company website and related API service using **React/Next.js**, and **FastAPI/Python**.
- Implemented the backend infrastructure and database schema for the company in **Azure**.
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- Implemented the backend infrastructure and database schema for the company in **Azure**.
- Leveraged knowledge in **FastAPI/Python**, **React/TypeScript**, **PostgreSQL**, **GraphQL**, **Azure**.

Software Developer – Intern

June 2023 – August 2023

- Developing the company website and related API service using **React/Next.js**, and **FastAPI/Python**.
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- Leveraged knowledge in **FastAPI/Python**, **React/TypeScript**, **PostgreSQL**, **GraphQL**, **Azure**.

Digital Marketing and Data Analytics Intern – Homie Living

May 2022 – August 2022

- Created automations in Python for data visualization and analysis.
- Enhanced the Google search ranking of **10 keywords** to the **top 3 positions** by refining **SEO** strategies.
- Increased the open and engagement rates of email by **22%** and **17%** respectively by improving the content.
- Leveraged knowledge in **Python** and **SEO**.

Projects

Wavy: Web-based Music Workstation (Individual)

[Demo Video](#)

- Enhanced UX with a **resizable**, **scrollable** canvas featuring copy/paste, undo/redo, and import/export.
- Enabled modularization by decoupling event handling logic to allow seamless addition of new features.
- Enhanced UX with a **resizable**, **scrollable** canvas featuring copy/paste, undo/redo, and import/export.
- Demo video: http://youtu.be/uQ2K_xgbq7g | Utilised: React/TypeScript, FastAPI/Python, Jest/RTL, SCSS.

ICMS: Course Management Dashboard (Group)

[Demo Video](#)

- **Led backend development** and was fully responsible for the **frontend** and **database** of the application.
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- Integrated a **facial recognition** component for login using **OpenCV**.
- Utilised: Java/Spring Boot, React/TypeScript, MySQL, OpenCV.

Hooks: React Hooks and TypeScript Utilities Library (Individual)

[GitHub Repo](#)

- Designed a comprehensive collection of modular **React** hooks and **TypeScript** utilities.
- Achieved 99% test coverage using **Jest** and **React Testing Library**.
- Integrated **GitHub Actions** for automated code testing.
- Utilised: React/TypeScript, Jest/RTL, Github Actions, Rollup.

Technical Skills

Languages	Java, TypeScript/JavaScript/Node.js, Python, PHP, SQL, GraphQL
Frameworks & Tools	Spring Boot, React/Next.js, Express.js, FastAPI
Cloud & DevOps	AWS, Azure, Terraform, Docker, GitHub Actions
Databases & ORM	Redis, MySQL, MongoDB, Hibernate, Prisma