

CHAN YAT FU JACKY

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Education

The University of Hong Kong	Sept 2019 – Now
<i>BEng in Computer Engineering</i>	
<ul style="list-style-type: none">2022-2023 Year GPA: 3.852023-2024 Year GPA: 3.64A+ in Operating Systems, Digital System Design, Probabilistic Systems AnalysisA range in OOP and Java, Advanced database systems, Computer networks, Artificial intelligence, Machine learning, Algorithm design, Senior design project, Integrated design project, Intro to DBMS, Technical English for EEE	
Buddhist Sin Tak College	Sept 2013 - Jun 2019
<ul style="list-style-type: none">IELTS (2019): 8.5 in Reading, 7.5 in ListeningDSE English: 5* in Speaking, 5 in Writing	

Professional Certifications

AWS Certified Solutions Architect - Associate (SAA-C03) – Amazon Web Services [Jun 2024]	Credential
AWS Certified Cloud Practitioner (CLF-C02) – Amazon Web Services [May 2024]	Credential

Competitions, Honors and Awards

Winner – HKU Final Year Project Competition [Apr 2024]	
<ul style="list-style-type: none">Distinguished as one of the 11 winners (top 8%) among 136 HKU CE/EEE final year projects.	
Finalist – HKU Generative AI Hackathon for Social Good [Oct 2023]	Link
<ul style="list-style-type: none">Led a team of 5 developers to secure 2nd runner-up in the Productive Collaborative Work Award.Ranked as a finalist out of 24 teams by developing an ADHD-targeted application using Spring Boot and React.	

Work Experience

NovBee Limited	June 2023 – January 2024
<i>Full Stack Developer – Part-time</i>	August 2023 – January 2024
<ul style="list-style-type: none">Developing the company website and related API service using Node.js, React, and Python.Conceived and executed the backend infrastructure and database schema for the company utilizing Azure.Incorporated user authentication functionality into the system website.Ensured the website is responsive to provide an optimal user experience across different devices.Applied knowledge in Node.js, React, TypeScript, Python, PostgreSQL, GraphQL, Azure.	
<i>Software Developer – Intern</i>	June 2023 – August 2023
<ul style="list-style-type: none">Engineered a data processing pipeline that gather and cleanup 500+ hours of audio data using Python and Selenium.Engineered a Singing Voice Synthesis model that result in high MOS utilizing PyTorch.Developing 5 pages of the company website and related API service using Node.js and React.Applied knowledge in Node.js, React, TypeScript, PostgreSQL, GraphQL, Azure.	
Homie Living	May 2022 – August 2022
<i>Digital Marketing and Data Analytics Intern</i>	August 2023 – January 2024
<ul style="list-style-type: none">Enhanced Google search ranking of 10 keywords to the top 3 positions through refined SEO strategies.Increased email open and engagement rates by 22% and 17% respectively by improving content quality.Applied knowledge in Python and SEO.	

Projects

Wavy: Web-based Music Workstation (Individual)	Demo Video
<ul style="list-style-type: none">Enhanced UX with a resizable, scrollable canvas featuring history, import/export, and clipboard functionalities.Integrated backend voice synthesizer enabling the generation of vocal tracks.Provided an isolated library for custom utilization and style modification.Demo video: http://youtu.be/uQ2K_xgbq7g Utilised: React, Node.js, TypeScript, Python, Jest, RTL, SCSS.	
ICMS: Course Management Dashboard (Group)	Demo Video
<ul style="list-style-type: none">Led a 5-people backend development team and was fully responsible for the frontend and database of the application.Provides real-time course schedules and information based on the user's context and timing.Integrated a facial recognition component for login using Python.Utilised: Java, React, TypeScript, Python, MySQL.	
Hooks: React Hooks and Node.js Utilities Library (Individual)	GitHub Repo
<ul style="list-style-type: none">Designed a comprehensive collection of modular React hooks and Node.js utilities in TypeScript.Achieved 99% test coverage using Jest and React Testing Library.Utilised: React, TypeScript, Jest, RTL, Github Actions, Rollup.	

Technical Skills

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