

David Chan Weizhi

HP: +65 8522 6773 | Email: david.chan@u.nus.edu | github.com/davidchanwz | linkedin.com/in/davidchanwz

EDUCATION

National University of Singapore, School of Computing

Aug 2023 - May 2027

Bachelor of Science in Business Analytics (Honors)

- GPA: 4.75 (Highest Distinction)
- Teaching Assistant for BT2102 Data Management & Visualisation, CP2106 Independent Software Development Project

CORE COMPETENCIES

- Languages: Python, Java, JavaScript, TypeScript, HTML/CSS, R, SQL, VBA
- Frameworks: React, Node.js, Tailwind CSS, Flask, FastAPI, LlamaIndex
- Tools: Git, Docker, Supabase, Firebase, Pinecone, Heroku, Vercel
- Libraries: Pandas, Numpy, Scikit-learn, Pydantic, SQLAlchemy, Hugging Face Transformers

INTERNSHIP & WORK EXPERIENCE

Risk Analyst Intern, China CITIC Bank International

May 2024 - Aug 2024

- Lead design and development of a comprehensive risk analysis tools with VBA, strengthening risk management strategies and speeding up processes by 150% for risk department
- Overhauled department's data management system with Power Query and Power Pivot, transitioning to a more robust and scalable system, optimising usability by 100% for risk department

Finance Intern, Pilgrim Partners Asia

Feb 2021 – Mar 2021

- Digitalised 7 years worth of invoices using self-learned Excel into an invoice tracking list, saving ~45mins per invoice search for finance manager
- Dispensed \$12,000 worth of invoice payments over a 1 month period with ~100% accuracy, freeing up finance manager for other strategic work

PROJECTS

AI Meal Plan Generator

Feb 2025 – Present

- Developed mobile app utilising Retrieval Augmented Generation (RAG) to retrieve unstructured recipe data and structured user data to generate tailored meal plans with LLM
- Leveraged document understanding transformer to parse receipt images

Automated Daily Crossword Web Game

Jan 2025 – Feb 2025

- Developed responsive web app featuring custom crossword game with automatic daily refresh
- Won Best Polyglot Hack for NUS Hack & Roll 2025 out of 427 participants
- Maintaining ~500 daily unique visitors

Ethereum Transaction Fraud Detector

Dec 2024 – Jan 2025

- Developed Rest API and trained ML model for Ethereum transaction fraud detection with ~96% accuracy, helping financial institutions leverage blockchain and adhere to compliance regulations
- Achieved Finalist (Top 5 of 88 Teams) for NUS Fintech Hackathon 2025, Northern Trust track

CO-CURRICULAR ACTIVITIES

NUS Fintech Society

- Lead in design and development of new organisation website with WordPress

Tembusu College

- Represented college as Team B Captain in the 2024 and 2025 Inter-College Games, Ultimate Frisbee
- Represented Ora House as Captain in 2023 and 2024 Inter-House Games, Ultimate Frisbee

CERTIFICATIONS

- Excel Skills for Business: Essentials (Macquarie University)
- Python Data Structures (University of Michigan)

INTERESTS

- Sports: Ultimate Frisbee, Taekwondo (Blue Belt)
- Volunteer work: Aljunied GRC (MPS, House visits), East Coast Beach Plan