

EDUCATION

2013–2018

River Valley High School
A Levels 7 Distinctions

- H3 Pharmaceutical Chem
- H2 Computing
- H2 Economics
- H1 Higher Chi
- H2 Math
- H2 Chem
- H1 Project Work
- H1 General Paper

2021–2025

NTU
Nanyang Scholar
Business & Computing Double Degree [First Class Honours], penultimate

COMPETITIONS

INTUition v9.0 '23 (<https://github.com/weikangg/INTUition-v9.0>)
Jira-style project management tool in MERN stack. Expedite project scheduling by syncing with calendars of team members to provide consolidated view of everyone’s availability. A Telegram bot linked to each project chat room provides automated reminders.

MLDA Deep Learning Week Hackathon '22
Energy demand & solar energy production forecast to match demand with supply, minimizing deadweight loss from overproduction.

Shopee Product & Design Challenge '22
UI/UX design recommendations

MLDA Deep Learning Week Hackathon '21
[TOP 10]
Face Matching from Sketch

DSTA Cyber Defenders Discovery Camp '18
[BRONZE]
Cyber security, CTF competition

Google Code-in '17
Open-source software development contest for pre-university students

CCA

Vice-President HackOSS AY22/23

- Plan & organise all HackOSS events
- Manage & support the team of technical directors in their respective software projects
- Double as a project lead

Chinese Chess & Othello Captain AY21/22

- Organise weekly trainings
- Chinese Chess (2nd), Othello (Top 14)

Machine Learning & Data Analytics Club, Research

- Stock analysis using sentiment analysis on Reddit posts & technical indicators

Intercontinental Collegiate Programming Contest Training Group
Tamarind Hall Recreational Events Planning Committee AY21/22
Tamarind Hall Orientation Programmer AY21/22

- Hall-wide events planning

Computer Sci & Engineering Club Business Committee AY21/22

- Organize & execute merchandise sales

Brazilian Jiu-Jitsu AY21-23

PROFESSIONAL EXPERIENCE

5/2023 – ongoing

Software Developer @Ion Mobility

- Custom Xendit payment gateway plugin w/ Saleor ecommerce backend (Django)
- Proxy server, CI/CD automated testing w/ mocks
- Analysis tool using empirical GitHub data to make individualistic forecasts of task durations
- Ad hoc React projects for product demos

5/2022 – 7/2022

Tech Business Analyst @Panasonic R&D

- Custom web scraper w/ Selenium. Dynamically scrapes 200+ different company websites, >70% client extraction rate.
- NLP keyword extraction & filtering.
- Data analysis & recommendations based on constructed tech landscape

4/2021 – 7/2021

Data Management @Bank of Singapore, Operations
Built & distributed a fully functional automation software that saves 5-7 hours per day

2/2021 – 4/2021

Project Admin @Bank of Singapore, Digital Transformation
Digitalized bank forms using Adobe Acrobat & JavaScript

PROJECTS

Brew – Dating App Startup (Feb '23 – Ongoing)

- Developed matching algorithm in TypeScript, TDD w/ Jest
- Designed client-server web socket interactions + firebase chat integration. Implemented game server backend logic

Real-Time Arbitrage Portfolio Tracking Dashboard (Feb '23)

- Monitor arbitrage portfolios w/ real time charts & tracking of spreads
- Full-stack (FastAPI, React, MongoDB)
- Demo: <https://main--vobule-biscochitos-9aa01a.netlify.app/>

Project GloVo – Summarising Global Events (Jan '23)

- SaaS that scrapes news, extracts keywords & maps relations heuristically
- News aggregation + visualize hot topics w/ D3js force-directed graphs
- Full-stack (FastAPI, React, MongoDB)
- Managed a team of 8 as project head

Statistical Arbitrage Research (Dec '23)

- Deep dive into Advanced Linear Algebra for Financial Engineering, Kalman Filters, Cointegration & Copula methods for pairs trading in FX

E-commerce Full-stack Web Dev w/ WooCommerce Backend (Aug '22)

- Custom theme dev w/ backend integration from browsing to checkout

Kenzie Autohub Invoice Generator (Jun '22)

Reddit Sentiment Visualization (May '22)

- Extracted stock ticker symbols from unstructured data w/ Word2vec
- Demo: <https://axwhyzee.github.io/>

SQL Expert Advisor (Dec '21)

- Experimental automated trading bot using a simple martingale strategy

NTU MLDA Deep Learning Week Hackathon – Face Matching from Sketch (Aug '21)

- Extract facial features using SIFT, KNN for closest match

Trading Journal Software (May '21)

- Trade visualization desktop app w/ Electron framework

LINKS

[GitHub] <https://github.com/axwhyzee/>
[LinkedIn] <https://www.linkedin.com/in/wee-hung-siah-58b970146/>