

EDUCATION & SKILLS

Nanyang Technological University, Singapore

Aug 2019 - Jul 2023

BSc (Hons) Data Science and Artificial Intelligence (First Class Honors, GPA: 4.62/5.00)

Programming Languages: TypeScript, JavaScript, Python, Java, R, Go, Excel VBA, SQL

Technologies: ReactJS, Vite, Redux, AWS, React Native, NumPy, Pandas, MongoDB, Flask, REST API, gRPC, Grafana, Elastic Search, Linux, Figma, Canva, Storybook, Elasticsearch, Grafana

Languages: English (Fluent), Mandarin (Conversational), Indonesian (Native)

Interests: UI/UX, graphic design, drawing & painting, photography, floristry, floorball & sports

ACHIEVEMENTS & AWARDS

- **Nanyang Scholarship (Undergraduate)** for academic excellence and outstanding leadership
- **Top 5 winning teams** – Open Government Product's (OGP) Build for Good 2024
- **Champions** – DSTA Brainhack Today I Learnt AI Hackathon 2022
- **Champions & Voter's Choice** – GovTech DSAID Hackathon 2022
- **2nd Runners Up** – ASEAN Data Science Explorers (ADSE) Nationals 2019, Singapore

WORK EXPERIENCE

Goldman Sachs, Frontend Engineer (Core Engineering)

Jul 2023 - Present

- Core contributor in the development of the 3rd generation distributed scheduling platform. Used React, Redux & RXJS for designing and implementing new user centric features to expose the ecosystem in the UI, focusing on backwards compatibility with the previous generation to encourage migration of users. Streamlined user workflow for scheduling millions of jobs by allowing users to perform tasks via the UI on top of existing API through new features and improved user experience.
- Used Elasticsearch's Kibana for analyzing UI usage events data to facilitate UI design decisions.
- Spearheaded the migration of platform documentation sites from Hugo Docs to MkDocs for improved documentation experience and better support for users.

Goldman Sachs, Software Engineer Intern (Core Engineering)

May 2022 - Jul 2022

- Designed and implemented new UI features into an existing complex internal tooling application using React, TypeScript and Redux to streamline user workflow in the UI, improving user experience.
- Generated Grafana dashboards to display metrics for system reliability monitoring using proper data obtained via Prometheus and queried with PromQL in Thanos.
- Performed unit tests on gRPC endpoints and Go routines to increase test coverage and reliability.

GovTech Singapore, AI Engineer Intern (Data Science & AI Division)

Jan 2022 - May 2022

- Benchmarked computer vision algorithms – YOLO and MaskRCNN using the Detectron2 framework.
- Designed a full-stack desktop GUI for scraping Google images using Puppeteer, ElectronJS, ReactJS and NodeJS to boost the image collection process for training of machine learning models.

NinjaVan Singapore, Software Engineer Intern (Tooling & Automation)

May 2021 - Aug 2021

- Spearheaded the end-to-end design and development of a full-stack web application for claims reimbursement from scratch using React NextJS (frontend), Go (backend), Kafka and Docker.

The Blooming Palette, Founder & Head Florist

Aug 2020 - Present

- Product design & management – Designed floral products for gifting, weddings and corporate events.
- Managed social media presence and designed marketing collaterals to generate business leads.
- Engineered administrative tools – Telegram bots to streamline day to day administrative operations using the Telegram Bot API, Google Apps Script and AWS lambda.