

Yang Zhenduo

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Education

National University of Singapore <i>Bachelor of Computing in Information Systems</i>	Aug 2024 - Present
Nanyang Junior College	Feb 2020 – Dec 2021
Catholic High School	Jan 2016 – Nov 2019

Experiences

Kingleader Co. Ltd. <i>Machine Learning Engineer</i>	July 2025 – Present
<ul style="list-style-type: none">Worked on a computer vision system that uses a live camera feed and machine learning to identify chickens unlikely to lay eggs, supporting data-driven farm management	
<i>Software Engineer</i>	June 2025 – July 2025
<ul style="list-style-type: none">Built the company's dynamic web application from scratch alone	
Ctech Global Pte Ltd <i>Business System Developer Intern</i>	Jan 2024 – May 2024
<ul style="list-style-type: none">Customised and implemented new features in Microsoft Dynamics Business Central based on business requirementsIntegrated and automated processes to streamline workflows between ERP, CRM, and e-commerce platformsUtilised VBA to automate financial operations	
Singapore Armed Forces <i>National Service in Singapore Army's 1st Transport Battalion</i>	Jan 2022 – Nov 2023

Projects

SUTD What The Hack <i>Fullstack Development</i>	Sep 2025
<ul style="list-style-type: none">Part of a team of 5 to build an AI-powered companion platform for seniors featuring real-time avatar conversations, hobby discovery, and a secure social space	
SentinelAI (Attempted submission for NUS SoC VIP grant and IDP IDEATE hackathon) <i>Machine Learning, Fullstack Development</i>	Aug 2025 – Sep 2025
<ul style="list-style-type: none">Part of a team of five building a startup prototype, SentinelAI aimed to use CCTV/IP cameras with AI to detect falls, strokes, and industrial accidents in real time.While the idea was promising, it proved technically challenging to scale and lacked strong differentiation for long-term adoption. We also faced complexity in ensuring accuracy, privacy, and real-world reliability. Though the project didn't advance, the experience exposed us to practical limitations in AI deployment. It ultimately taught us key lessons in evaluating technical feasibility, impact, and sustainability.	
NUS LifeHack (Finalist – Top 10 out of 60+ teams, Most impressive usage of data award, Best team for health and well-being theme) <i>Fullstack Development</i>	July 2025
<ul style="list-style-type: none">Part of a team of four to build an app that integrates real-time Singapore health data, GPT-powered health guidance, and community reporting to build an AI-driven, multilingual public health ecosystem	

DSTA BrainHack Code Exp (Finalist – Top 20 out of 80+ teams)

June 2025

Fullstack Development

- Part of a team of five to develop an app that uses AI and community insights to detect online scams, analyse suspicious URLs, and educate users through interactive modules, analytics, and a scam discussion forum

GeeksHacking Hackomania

Feb 2025

Fullstack Development

- Part of a team of five to create a full stack support network donation platform where users contribute micro-donations via Open Payments API to help others quit addiction

SMF & NUS Maritime Hackathon (Top 3)

Jan 2025

Machine Learning

- Part of a team of four to develop and train a machine learning model with over 90% accuracy to classify ship repair severity levels based on textual annotations, using a dataset of 10,000+ ship entries

Clubs & Societies

NUS Computing Technopreneurship Society (StartIT)

Aug 2024 – May 2025

Project Manager

- Plan and execute BitHacks, the flagship startathon by StartIT
- Plan and host fireside chats with Tech startup co-founders

NUS Social Impact Catalyst

Aug 2024 – Dec 2024

General Member

- Communicated with guest mentors and startup groups within the society to brainstorm ideas, craft pitches.

Technical Skills

- Programming Languages: Java, R, SQL, JavaScript, TypeScript, Python
- Libraries & Frameworks: React.js, Next.js, Tailwind CSS, TensorFlow, OpenCV, Django, Flask
- Data visualisation/DBMS: Tableau, Excel, MySQL, PostgreSQL and basic experience with NoSQL
- Enterprise Resource Planning: MS Dynamic Business Central, MS Dynamic CRM, nopCommerce