

# Lim Jun Jie

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## Education

<b>National University of Singapore</b> <i>Bachelor of Computing in Computer Science</i>	Aug 2026 – May 2030 (Expected Graduation) <i>Singapore</i>
<b>Singapore Polytechnic</b> <i>Diploma in Applied AI and Analytics</i> <ul style="list-style-type: none"><li>GovTech GeekOut Hackathon 2023: 3rd Place</li><li>Cyber Youth Singapore YouthxHack 2022: Special Mention</li></ul>	Apr 2021 – Feb 2024 <i>Singapore</i>

## Experience

<b>AI Research Intern</b> <i>Agency for Science, Technology and Research (A*STAR)</i>	Feb 2024 – May 2024
<ul style="list-style-type: none"><li>Implemented and benchmarked a novel Dense Inception Network block in PyTorch, leading to a 3% increase in image segmentation accuracy compared to the production model.</li><li>Developed an image data processing pipeline to fix identified data quality issues and increased training data variance, improving model explainability by 10% on a balanced subset of production data.</li><li>Built a reusable image segmentation model training script using PyTorch and TensorBoard, improving model training observability and data logging for the team.</li></ul>	<i>Singapore</i>
<b>Software Engineer Intern</b> <i>ANOR Technologies</i>	Sep 2023 – Jan 2024
<ul style="list-style-type: none"><li>Built a full-stack ML spectroscopy dashboard with React, FastAPI and PyTorch, collaborating directly with the CTO to define product scope and ship iterations under tight deadlines.</li><li>Automated deployment of dashboard services by implementing a CI/CD pipeline using AWS CodePipeline, reducing manual release time.</li><li>Researched the viability of spectroscopy for chemical compound classification through data processing, analysis and machine learning modelling. Presented the study to researchers at Home Team Science and Technology Agency (HTX).</li></ul>	<i>Singapore</i>
<b>Software Engineer</b> <i>Singapore Polytechnic, Industry Client Project</i>	Apr 2023 – Aug 2023
<ul style="list-style-type: none"><li>Led a team of developers to deliver a microservices-based Data Aggregator platform for Evvo Labs, enabling modular data ingestion and visualization.</li><li>Designed and built the microservice architecture using Flask, PostgreSQL and Docker, ensuring the scalability and modularity of the back-end.</li><li>Developed the front-end dashboard using React and Recharts, enabling customisable visualisation of data to improve user experience.</li></ul>	<i>Singapore</i>

## Projects

<b>DevsGoWhere Telegram Bot - <a href="https://t.me/devsgowhere">t.me/devsgowhere</a></b>	Sep 2025 – Present
<ul style="list-style-type: none"><li>Automated summarised event posts from <a href="https://devsgowhere.com">devsgowhere.com</a> via a TypeScript web scraper running as a daily cron job, improving community accessibility to event postings.</li></ul>	
<b>justDCA - <a href="https://just-dca.pages.dev">just-dca.pages.dev</a></b>	Dec 2024 – Jan 2025
<ul style="list-style-type: none"><li>Built a web application with React and FastAPI to visualize and compare historical dollar-cost averaging (DCA) performance of listed stocks, educating users on the benefits and downsides of DCA.</li><li>Wrote test cases for the dashboard form using React Testing Library, ensuring reliability before deployment.</li><li>Used React Suspense to gracefully handle loading states, improving user experience.</li></ul>	
<b>GovTech GeekOut Hackathon - 3rd Place</b>	Jun 2023
<ul style="list-style-type: none"><li>Developed an AI-powered learning management system with features such as AI tutors and shared inter-school resources, promoting meritocratic education.</li></ul>	

## Skills

Languages:	Python, JavaScript, TypeScript, SQL
Frontend:	HTML, CSS, React, TailwindCSS
Backend:	Flask, Node.js, FastAPI
Tools:	Docker, Git, Linux
Data/AI:	PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy