Ryan Tan Jin Yuen

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Education

National University of Singapore (NUS) Aug 2023 – Dec 2026

- **NUS Merit Scholarship** recipient for academic excellence.
- Studying Computer Science, currently on exchange at **Hong Kong University of Science and Technology**.

Anglo Chinese Junior College (ACJC) Jan 2019 – Nov 2020

- Achieved **6 distinctions** with **90 Rank Points**.
- Served as **Vice-Captain** of the ACJC Bowling Team.
- Awarded **Edusave EAGLES Award** and **Scholastic Merit Award**.

Technical Skills

- **Languages:** Python, Java, JavaScript, TypeScript, SQL, Rust
- **Frameworks & Tools:** Spring Boot, Docker, Kubernetes, Node.js, Flask, ReactJS, Git, AWS, SonarQube
- **Additional:** OpenCV, YOLO, Machine Learning, Computer Vision

Work Experience

Crédit Agricole (Corporate and Investment Banking) (Singapore) Jan 2025 – Present
Software Developer

- Developed a scalable **data storage solution** using **Rust, Kubernetes, Docker, and AWS S3**.
- Ensured **99.9% uptime** through rigorous testing and debugging using **Cucumber**.
- Optimized data workflows, reducing query response times by **30%**.

Projects & Hackathons

NUS Hack Roll – Backend Developer Jan 2025

- Built a **Telegram bot** to track shower habits, logging over **500 user entries**.
- Used Chrome extension API to sync data, reducing redundant site visits by **40%**.

PSA Code Sprint Hackathon – Team Leader Oct 2024

- Led a **72-hour hackathon**, building a Next.js and Python-based port operations platform.
- Integrated real-time **weather and cyclone tracking**, improving safety response by **25%**.

ReflectiveMinds (NUS Orbital) – Full Stack Developer May 2024 – Jun 2024

- Developed an **AI-powered journaling app**, classified as **Apollo-11 (Advanced)** level.
- Integrated OpenAI API, increasing user engagement by **50%**.
- Achieved **99.8% test coverage** through unit and end-to-end testing.

FootballVision – Solo Developer May 2024 – Jun 2024

- Created an **AI-driven football analysis tool** with **YOLOV8 and OpenCV**.
- Implemented player tracking and object classification with **95% accuracy**.
- Optimized processing algorithms, reducing computation time by **20%**.