

RYAN TAN JIN YUEN

Mobile: +65 93209262

Email: ryantjy1001@gmail.com

<https://github.com/ryanmoolala>

<https://www.linkedin.com/in/ryan-tan-857558270/>

<https://ryanweb.vercel.app/>

EDUCATION

National University of Singapore (NUS)

Aug 2023 - Aug 2027

Bachelor of Computing in Computer Science

- National University of Singapore Merit scholarship awardee.
- Studying Computer Science, aiming to go for Student Exchange Programme or National University Singapore Overseas College
- Completed Programming methodology modules, Data Structures and Algorithms module.

Anglo Chinese Junior College (ACJC)

Jan 2019 - Nov 2020

Additional Levels Exam Certificate

- Scored 6 distinctions, with 90 Rank Points for an intensive 4H2 academic curriculum.
- On ACJC Honour's Roll list for excellent academic results throughout school period
- Selected to become the Vice-Captain of ACJC Bowling team, demonstrated excellent leadership skills
- Received Edusave EAGLES Award and Scholastic Merit Award

PROJECTS

FootballVision, Solo Developer

Jul 2024 - Present

- AI-driven football analysis tool for real-time player detection and image processing, programmed using Python.
- Utilised YOLOV8 object detection algorithm, OpenCV, ByteTrack & SciKit for tracking & colour segmentation.
- Performs player differentiation, ball tracking and object classification to advertise numerical statistics using NumPy.

ReflectiveMinds (NUS Orbital Summer Programme), Full Stack Developer

May 2024 - Present

- Apollo-11 (Advanced) level AI-integrated web application promoting journaling among adolescents & young adults.
- Developed a AI integrated web application aiming to promote journaling among adolescents & young adults.
- Adopted an Agile environment, with weekly sprints and relied on Git & Github to work with team-mates.
- Utilised Python Flask, MySQL databases, ReactJS framework & Docker services to run the whole web application.
- Leveraged OpenAI API to utilise GPT 3.5 Turbo engine for generating prompts.
- Ensured quality code by performing unit & end-to-end tests using JEST & PyTest & SQLite.

DJ Lite (Personal Project), Solo Full Stack Developer

May 2024 - Jun 2024

- Developed a Spotify web application to provide users with real-time data and analytics on Spotify listening habits
- Utilised Java Spring Boot, Spring MVC & Maven to communicate with the Spotify server via RESTful APIs.
- Implemented Authorization PKCE Flow, OAuth 2.0, Session management to authenticate users, avoiding cyber threats.

PriceTrack (Personal Project), Solo Full Stack Developer

May 2024

- Developed a stock tracking web application, utilising Web Sockets, and Web Scraping tools to display real time data and relevant information, up to 60 stocks on the NASDAQ exchange.
- Programmed using ReactJS, NodeJS, Express & TypeScript.

SKILLS QUALIFICATIONS AND OTHERS

- Results-driven individual with excellent communication skills and thrives in team-based environments.
- Robust understanding of programming languages, web development protocols & use of development tools.
- Comfortable working with Java, Python, JavaScript, TypeScript and ready to pick up many more essential languages.
- Frameworks: ReactJS, Flask, Spring, Tailwind CSS, NodeJS.
- Other essential technologies include Git, Github, Docker, MySQL, OpenCV & YOLO.

CO-CURRICULAR ACTIVITIES

NUS Residential College 4, College Students' Committee (Technology Division)

Aug 2023 - Aug 2023

- A community within the Residential College proposes & builds programs to better facilitate student welfare such as informing students on bus arrival timings & seat availability in the dining hall.
- Cooperated closely with 2 other members in the subcommittee to create a telegram bot for managing storage items.

ACJC bowling, Vice Captain**Jan 2020 - Nov 2020**

- Lead and managed men's bowling team, organised sports camps and almost 2 team bonding sessions a week
- Competed in National School Games and National Age Group competitions in 2019, clinched 3rd place for men's league
- Volunteered as a peer facilitator for 10 juniors, arranging school tour and conducting orientation sessions with academic mentors to assure smooth in-campus and settlement

WORK EXPERIENCE**MIRAGE AESTHETIC (SINGAPORE), Administrative Assistant****May 2023 - Jun 2023**

- Managed and kept track of supplies, ventured to and fro between company's headquarters and 4 different outlets on an average of 2 times a week
- Displayed organisational skills, cooperativeness, adaptability and quick learning in a fast-paced work environment

NATIONAL SERVICE (SINGAPORE), Armament Technician**Apr 2021 - Apr 2023**

- Repaired and ensure operability of highly valued army vehicles, comprising of over 500+ gear components and cables
- Accepted 2 Best Soldier of the Month awards for displaying excellence in overseas exercises