JUSTIN CHOO JING RUI

+65 89385868 | justinchoojr@gmail.com | https://www.linkedin.com/in/justin-choojr | https://github.com/Justincjr | https://justincjr.github.io/portfolio/

I am currrently a Year 2 student seeking opportunities to gain experience and contribute to Computer Science while furthering my education at National University of Singapore.

Education

National University Singapore **Aug 2023 – Present**

Bachelor of Computer Science

- *Specialization in Software Engineering/Artificial Intelligence*
- *Coursework: Data Structures and Algorithms, OOP, Software Engineering, Computer Organisation, Statistics, Discrete mathematics*

National Junior College **Jan 2019 – Dec 2020**

Singapore GCE 'A' Levels

- *Took 4 Higher-Level Core Subjects (4 H2)*
- *Grade: AAA/A*

Work Experience

Azalea Asset Management **May 2024 – Aug 2024**

Developer

- ***Process Automation:*** *Spearheaded the automation of key processes using Azure OpenAI, integrating Typechat and Semantic Kernel to enhance efficiency and reduce manual workload.*
- ***Collaborative Projects:*** *Worked closely with cross-functional teams to identify automation opportunities and deliver AI-driven solutions tailored to specific business needs.*
- **Technical Documentation:** Created detailed documentation for AI implementations, ensuring knowledge transfer and facilitating future maintenance and upgrades.

Inland Revenue Authority Singapore **Feb 2023 – Jun 2023**

Temporary Officer (Individual Income Tax Division - Service Branch)

- *Handled peak period emails*
- *Provide assistance to taxpayers' general and technical enquiries on Individual Income Tax*

Singapore Armed Forces **Apr 2021 – Jan 2023**

Artillery Specialist (HQ 21SA)

- *Handled maintenance and finance matters for the unit*
- *Managed the logistics and manpower for large scale events such as the Red Lion's freefall display at Ghim Moh, and NDP Heartland Celebration at Punggol.*
- *Awarded the Best Specialist of the Month for Sept 22*

Projects

National University Singapore **Sept 2023 – Oct 2023**

Sumobot challenge

- *Designed, built, and programmed Lego Mindstorm robot to compete in the challenge and managed to enter the finals. Collaborated with teammates to strategize and optimize the robot's performance.*

National University Singapore **Mar 2024 – Aug 2024**

Orbital project

- *Designed and developed an engaging educational game tailored specifically for children, incorporating interactive elements to facilitate learning in a fun and captivating way.*
- *Used MERN stack hosted on AWS EC2*

Skills

- ***Programming Languages:*** *Java, JavaScript, Python, HTML/CSS, C*
- ***Frameworks and Libraries:*** *React, Node.js*
- ***Containerization and Deployment:*** *Docker*
- ***Cloud Platforms:*** *Amazon Web Services (AWS)*

- ***Development Environments:*** *Visual Studio Code (VSCode), Intellij*

Competitions

CatalystX Startathon **Oct 2024**

- *Pitched an innovative solution using blockchain technology to revolutionize the storage and security of patient health records.*
- *Emphasized the benefits of decentralized data storage, improved privacy, and enhanced security for sensitive medical information.*
- *Collaborated with a team of developers and designers to create a proof-of-concept and received positive feedback from mentors and judges.*