

# Ryan Chen Rui Yang

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## Working Experience

### Cloud Engineer Intern – xCloud, Home Team Science and Technology Agency (HTX) May 2025 - Aug 2025

- Assisted in the development and maintenance of software applications, and various cloud-based solutions to meet the business requirements for HR, Finance, and Logistics departments.
- Developed and configured SaaS-based Cloud-technology as a low-code solution with platform-specific skills such as MS Power platform, ServiceNow, Salesforce, or Workato.

## Education

### National University of Singapore Aug 2023 - May 2027

#### Bachelor of Computing (Hons.) Computer Science

- Relevant modules: Data Structures and Algorithms (CS2040C), Programming Methodology II (CS2030S), Computer Networks (CS2105), Software Engineering (CS2103T)
- AY24/25 NUS Raffles Hall Executive Committee
- GPA: 4.50, First Class Honours

### Tampines Meridian Junior College Feb 2019 - Oct 2020

#### GCE 'A' Level Certificate

- H1 General Paper, H2 Mathematics, H2 Chemistry, H2 Biology, H1 Project Work, H1 Chinese Language

## About Me

I'm currently a Computer Science undergraduate studying at the National University of Singapore (NUS), with a passion for exploring the field of Machine Learning and Artificial Intelligence (AI). With an aspiration to become a skilled software developer, I have fundamental knowledge in Python, Java, and C++. I also possess great communication skills which allow me to seamlessly interact with many individuals from all walks of life. From time to time, I like to brainstorm original project ideas and note down things that could prove useful in the future.

## Projects

### TutorRec Feb 2025

- Developed a desktop application to help private tutors manage their students efficiently, using a command line interface and a GUI.
- Worked with a team of 4 to streamline task distribution, successfully implementing new application features, and achieving over 96% code coverage through comprehensive test case development.
- Actively drove team progress and exceeded objectives by proactively addressing key initiatives.

### LifeHack 2024 May 2024

- Developed a set of Python functions to simulate Encrypted Media Extensions (EMEs) for managing the playback of encrypted digital content, integrating with Data Rights Management systems for enhanced content security.
- Collaborated within a team of 4 to facilitate knowledge sharing, and instructed team members on effectively utilising GitHub features for streamlined collaboration and version control.

### RHDevs Inter-hall Hackathon Dec 2023

- Developed and deployed a custom Telegram bot that was meant to enhance the room bidding process in residential halls, improving accessibility for remote residents and streamlining the overall experience.
- Led a team of 3 to clinch the award for 'Most Technical Hack', showcasing our ability to develop and implement a sophisticated project within a 24-hour time frame.

## Certifications

- CS50's Introduction to Artificial Intelligence with Python
- CS50's Introduction to Databases with SQL
- SCS-AWS GenAI (Foundational) Programme

## Technical Skills

- Programming & Database Languages: Python, C++, Java
- Programming Tools: GitHub CI/CD, PyCharm, Visual Studio Code, Radiant, JavaFX, Gradle, CodeCov