



# Chng Hong Xiang Roy

## Profile

Creative and passionate student with hands-on experience leading and delivering successful projects during my internship. A two-time Silver medalist at WorldSkills Singapore, I bring both technical expertise and a drive for excellence. My role as Vice President of NYP's Guitar Club has honed my leadership and collaboration skills, while deepening my appreciation for the arts. Outside of work, I read philosophy, enjoy sketching, and create content for my YouTube channel.

## Education

### Diploma In Infocomm and Media Engineering, Nanyang Polytechnic, Singapore

Apr 2024 — Apr 2026

GPA: 4.0/4.0

**Extracurriculars:** Guitar Club (Vice President), Makers Innovators Tribe

Awarded Lee Kuan Yew Scholarship to Encourage Upgrading (LKY-STEP)

### Higher Nitec In IT Applications Development, Institute of Technical Education, Singapore

Apr 2022 — Apr 2024

GPA: 4.0/4.0 (Valedictorian)

Awarded Lee Kuan Yew Model Student Award

## Experience

### Software Developer Intern at Octopus8, Singapore

May 2025 — Jul 2025

- Created a full stack application from scratch to automate the process of entering data into their Customer Relationship Management (CRM) systems.
- Developed features such as an interactive node editor and automated queues/schedulers

### Youtube (Content Creator)

Nov 2022 — Nov 2024

Channel: [youtube.com/@turbinethree](https://youtube.com/@turbinethree)

- Grew YouTube channel to 10,000+ subscribers with 1 million+ views by creating programming tutorials

## Details

Singapore

(65) 8174 9242

[roychng21@gmail.com](mailto:roychng21@gmail.com)

## Links

Portfolio: [roychng.com](https://roychng.com)

Github: [github.com/roychng](https://github.com/roychng)

Linkedin:

[linkedin.com/in/roy-chng](https://linkedin.com/in/roy-chng)

## Software Developer Intern at Octopus8, Singapore

Oct 2023 — Mar 2024

- Led a team of 5 to develop an app using Flutter and Node JS for users to access services and sign up for events from charities
- Programmed the payment system for the donation management systems using Stripe

## Author at FreeCodeCamp

May 2023 — Jan 2024

- Collaborated with the FreeCodeCamp staff to write several technical, in-depth articles on topics such as React and Python

## Founder at ValorVortech

Apr 2020 — May 2021

Site: [valorvortech.com](http://valorvortech.com)

- Started a WordPress blog posting technology-related articles
- Reached 180,000+ page views organically
- Monetized through advertisements and affiliate links
- Optimized page load time by caching pages and leveraging content delivery networks (CDNs)

## ★ Competitions

### Medallion of Excellence In WorldSkills ASEAN (Web Technologies)

Aug 2025

Represented Singapore in Web Technologies at WorldSkills ASEAN (held in the Phillipines) and won 4th place.

### Silver In WorldSkills Singapore (Web Technologies)

Apr 2025

Represented NYP and won a Silver in Web Technologies at WorldSkills Singapore 2025. Through months of intensive training, I sharpened my skills in JavaScript, React.js, Laravel, PHP, CSS, and web design. The high-pressure, 3-day competition strengthened my ability to perform under tight deadlines.

### Overseas Sustainability Innovation Challenge, Indonesia

Sept 2024

Participated in an overseas hackathon over the span of 2 weeks and was awarded the Best Dynamic Team along with my teammates from Malaysia and Indonesia

### Silver In WorldSkills Singapore (Mobile App Development)

Oct 2023

Represented ITE and won a Silver medal in Mobile App Development at WorldSkills Singapore 2023. As a self-taught student, I independently learnt Flutter, taking initiative, discipline, and resilience.