



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.

Details

Singapore
(65) 8174 9242
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Links

Portfolio: roychng.com
Github: github.com/roychng
Linkedin:
linkedin.com/in/roy-chng

🎓 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/@turbinehree

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

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

- 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.