

CONTACT



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GitHub
<https://github.com/CheeGuang>

SKILLS

Technical

- Cloud Computing (AWS, Azure, ServiceNow)
- Scripting (Linux, Bash)
- Containerisation (Docker, Kubernetes)
- Frontend Development (HTML, CSS, JS, React)
- Backend Development (NodeJS, Golang, Java)
- Databases (Microsoft SQL, MongoDB, MySQL, Prisma)
- Programming (Python, C#, Java)
- Machine Learning (Python, LangChain)
- Web App Deployment (Namecheap, Netlify, Render)
- Electronics (Arduino, ESP32, Raspberry Pi)

Soft

- Communications
- Leadership
- Quick Learner
- Events Management

ACHIEVEMENTS

Top In Level (3/4 Semesters) 2023-2025

Awarded to the best performing student in Information Technology Year 1 Semester 1 and 2 and Year 2 Semester 1

Top In Module (14/23 Modules) 2025

- Communication Essentials
- Design Principles
- Databases
- Operating Systems and Networking Fundamentals
- Cloud Architecture and Technologies
- Cloud Databases
- Cloud Native Architecture and Development
- More...

Lee Hsien Loong IDM Smart Nation Award 2025

Awarded to Top 5 projects in a national competition by MOE that are aligned with Singapore's Smart Nation goals

Chairman's Award 2025

Ngee Ann Polytechnic's highest student honour, recognising exceptional leadership and embodiment of NP's core values.

ABOUT ME

I am a self-motivated, action taker who possesses an ever-growing passion in Technology and Education.

The quote "Shoot for the moon. Even if you miss, you'll land among the stars" is one I resonate with. I relentlessly pursue excellence in all my endeavors, and find great satisfaction in taking on leadership roles, guiding my team towards achieving a common goal.

EDUCATION

Ngee Ann Polytechnic 2023-2026

Cumulative GPA: 4.000

Diploma in Information Technology

Co-Curricular Activities:

- Overflow, ICT Society, The Christieara Programme, Leo Club

Total Distinctions (Top 5% in Cohort):

- 22/24 Modules

Saint Andrews Secondary School 2019 - 2022

L1R5 - 7 Points, L1R4 - 5 Points

Achievements:

- Outstanding Service to School and Community
- Led 2 Student-Initiated VIA Projects
- ICAS Science Distinction

WORK EXPERIENCES

Software Engineer Intern 03/2025 - 03/2026

Defence Science and Technology

Built and deployed Compliance Systems for hundreds of staff using ServiceNow, Bash, Linux, and Java and Python to deliver a secure, mission-critical scalable enterprise solution.

Data Analyst Intern 02/2024 - 04/2024

Defence Science and Technology

Used Machine Learning, Data Visualisation and Data Cleaning techniques to build classification models and drew insights for DSTA's Simulation and Training Systems Hub.

Lead Software Engineer 11/2024 - 04/2025

Singapore Economics League

Developed the official website and competition platform for the Singapore Economics League 2025, managed a team of developers, and supported a competition that had 480+ participants from 30+ schools.

Tuition Teacher 08/2022 - 3/2026

Freelance

Polytechnic level Programming and O'Level Students Pure Chemistry, Pure Physics and Principles of Accounts – One of my student got an internship at Samsung as a Data Analyst One student improve from E8 to B3 in POA, and another from B4 to Distinction in Pure Physics.

CERTIFICATIONS

AWS Certified Cloud Practitioner

Amazon Web Services Training and Certification

Earners of this certification have a fundamental understanding of IT services and their uses in the AWS Cloud.

AWS Certified Artificial Intelligence Practitioner

Amazon Web Services Training and Certification

Earners of this certification understand core AI/ML concepts and their applications on the AWS Cloud.

ISC2 Certified in Cybersecurity

International Information System Security Certification Consortium

Earners of this certification have a fundamental understanding of essential cybersecurity concepts and best practices.

Professional Scrum Master™ I (PSM I)

Scrum.org

Earners of this certification have demonstrated fundamental Scrum mastery and a solid understanding of the Scrum Guide.

Google Foundations of Project Management

Google Career Certificates

Covers core project management concepts, methodologies, and leading projects end-to-end.

CO-CURRICULAR ACTIVITIES

Overflow - President

Technology and Programming Special Interest Group

- Plan major events, including NP ICT Open House Project Showcase and Community Service for elderly tech education.
- Facilitate workshops on topics like Natural Language Processing, Generation AI Bootcamp.
- Oversee Technology, Secretary, Operations and Publicity team to ensure smooth CCA operations.

ICT Society - Head of Technology

Student Governing Body

- Provide technology support to the Society as needed.
- Chaired the SIG Fiesta 2025, an event with over 400 students in total
- Organising Committee for Project Faith Acts, teaching elderly to use SimplyGo and Healthy 365.

Leo Club - Member

Community Service

- Participated in multiple Food Rescue sessions, collecting expiring food for donation to low-income families.

The Christieara Programme - Member

Talent Development Programme

- Represented Ngee Ann Polytechnic at
 - S Rajaratnam Lecture 2025 by Singapore Prime Minister Lawrence Wong
 - NYC's Kopi Session on the Maintenance of Racial Harmony Bill by Singapore Minister Sun Xueling
- Student Trip Leader for the Overseas Merit Fellowship to the University of Queensland, handling publicity, reflections, and activity liaison.

PROJECTS

FallSafe

Cloud Native, Artificial Intelligence, Internet of Things and Fullstack Application

- Awarded Lee Hsien Loong Interactive Digital Media Smart Nation Award at MOE's Special Awards Presentation 2025.
- Awarded Outstanding Innovation Award at NP's Student Excellence Awards 2025.
- Built using AWS, OpenAI, Docker, Kubernetes, and ESP32-S3 for scalability and reliability.
- Partnered with Dell Technologies and Lions Befrienders to drive real-world impact.
- Enabled elderly to perform fall risk assessments independently at home.

MindEase

Cloud Native, Artificial Intelligence, Internet of Things and Fullstack Application

- Awarded 1st in Dell Innovate Fest 2025.
- Built using Azure, NVIDIA Inference Microservice, OpenShift, Docker, Kubernetes, and Raspberry Pi for scalability and reliability.
- Partnered with Dell Technologies and MINDS to drive real-world impact.
- Improve Caregivers of Persons with Intellectual Disability mental health.

brOkie

Chrome Extension

- Won the Special Commendations Award at NUS Hack&Roll 2025.
- Chrome extension that allows users to visualise browser cookies by overlaying the current site with details of every cookie present.
- Provides transparency and awareness of web tracking for end users.

Recky

Internet of Things Application

- Built using IoT, LTA Datamall, ESP32-S3, and an LCD Display.
- Provides real-time bus arrival information on a dedicated display for convenient, at-a-glance updates.

REFEREE

Mr Wesley Teo

Course Chair - Diploma in Information Technology,
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Ms Ching Yun Lee

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LANGUAGES

English

Professional Level (writing and reading).

Chinese

Proficient Level (writing and reading).