

EDUCATION

Nanyang Technological University (NTU) Aug 2020 – **Jun 2024** (Expected)
School of Electrical and Electronic Engineering

• **Bachelor of Engineering, Honours (Information Engineering and Media)**

- Relevant Modules: (1) *From Computational Thinking to Programming* (2) *Object-Oriented Programming* (3) *Data Structure & Algorithm* (4) *Software Engineering* (5) *Database Systems* (6) *Web Application Design* (7) *Computer Communications* (8) *Introduction to Data Science & Artificial Intelligence* (9) *Information Security* (10) *Introduction to Digital Communications & Networking*

Spring Term Exchange Programme, Aalto University, Finland Jan 2023 – Jun 2023
School of Electrical Engineering

- Modules Accomplished: (1) *Web Software Development* (2) *Design Thinking and Advanced Prototyping* (3) *Introduction to Signal Processing* (4) *Project Course* (5) *Survival Finnish 1* (6) *Cultural Intelligence*

Virtual Training and Learning & Development

- Udemy Relevant Module: *The Complete Python Bootcamp From Zero to Hero in Python*

Nanyang Polytechnic (NYP) Apr 2015 – May 2018
School of Information Technology

- **Diploma in Engineering Informatics**
- Specialisation: **Networking and Communication**

INTERNSHIP & WORK EXPERIENCE

GlobalFoundries Singapore, Software Tester, Intern May 2022 – Jan 2023

- Utilised Python Selenium and pytest-bdd (behaviour driven development) to construct test cases for end to end flows and modular functionality of in-house web-application.
- Carried out manual testing for in-house web-application, successfully pinpointing elusive bugs and uncovering potential avenues for enhancement.
- Collaborated closely with the development team to translate complex technical requirements into behaviour-driven test scenarios, resulting in improved accuracy and efficiency in testing.
- Drove daily operational checks to meticulously validate data completeness and accuracy, ensuring data integrity.

International Business Machines Corp (IBM), Deskside Engineer Jun 2021 – Jul 2021

- Worked in various polyclinics, offering Level 1 support to swiftly resolve technical issues.
- Efficiently handled the ticketing system, ensuring timely updates and resolutions.
- Proficiently installed software patches inclusive of system preventive maintenance.
- Skilfully performed laptop cloning procedures, ensuring seamless data migration.

The Boston Consulting Group, Case Team Assistant May 2018 – Jun 2018

- Analysed production processes and identified optimisation potential on injection moulding to reduce change-over duration.
- Designed solutions based on Industry 4.0 technology.
- Trained site engineers pertaining to newly designed solutions.
- Worked closely with the consulting team at the client's site and BCG office.

ACADEMIC PROJECTS / MODULE PROJECTS

NTU-EEE FYP: **Web Application for Student-related Activities (Front-end)** Aug 2023 – **May 2024**

- Initiating a comprehensive web application focused on streamlining student collaboration, by enabling project idea submissions, skill showcases, and team formation, fostering a dynamic and supportive academic environment.
- Planning and developing the front-end component of the web application, emphasising an intuitive and visually appealing interface.

NTU-EEE Module: **Web Application Design** Aug 2023 – Nov 2023

NTU Module Project: **Web Application for a Pizza store** (Team of 2 Members)

- Successfully designed and developed a web application for a pizza store using HTML, CSS, JavaScript, PHP and SQL.

NTU-EEE Module: **Object-Oriented Programming** Jan 2021 – Apr 2021

NTU Module Project: **Sudoku Game** (Team of 2 Members)

- Successfully planned and developed game, "Sudoku", with Java (AWT & Swing).

CO-CURRICULAR ACTIVITIES

NTU-EEE Efinity Orientation 2021, Games Programmer

Dec 2020 – Aug 2021

- Facilitated Efinity '21 freshman orientation as Games Programmer.
- Organised interactive meetups to address freshmen concerns.

NATIONAL SERVICE & LEADERSHIP

Singapore Police Force, Inspector (Staff Officer of Head Operations)

Jul 2018 – Aug 2020

- Oversaw patrol returns ensuring consistent visits over 4 neighbourhood police centres.
- Oversaw conduct and discipline of full-time national serviceman.
- Took minutes for division level meetings.
- Extended service to support Covid-19 operations and the 2020 General Election.
- Honed leadership and teamwork skills upon accomplishing "21-Days Outward Bound Singapore Leadership Course" in Pulau Ubin.

SKILLS / HOBBIES

- **Languages:** Fluent in English and Chinese (Mandarin)
- **Skills/Programming Knowledge:** Java, Python, HTML, CSS, Javascript, ReactJS, PHP, SQL, Figma, Design Thinking
- **License:** Class 3 Driving License
- **Hobbies:** Running, Gym, Football