

EDUCATION

Nanyang Technological University (NTU) Aug 2021 – Jun 2025 (Expected)
School of Electrical and Electronic Engineering
• **Bachelor of Engineering (Information Engineering and Media)**
• **Honours (Distinction)** (expected)
• Relevant Modules: (1) *Object Oriented Programming* (2) *Data Structures and Algorithms*
(3) *Introduction to Data Science and Artificial Intelligence* (4) *From Communication to Programming*
(5) *Software Engineering*

Yonsei University, Seoul, South Korea June 2024 – July 2024
Yonsei International Summer School

Virtual Training and Learning & Development

- Coursera Relevant Modules: (1) *Android App Development* (2) *Introduction to Data Science in Python*
(3) *YOLOv7 YOLOv8 YOLOv9 – Deep Learning Course* (4) *Stats 101* (5) *Applied Data Science in Python*
- YouTube Tutorials (Net Ninja): (1) *MERN Stack* (2) *Flutter for Beginners* (3) *React Context & Hooks Tutorial*

WORK EXPERIENCE

Intel Corporation, *Product Engineering Intern* Jan 2024 – Jun 2024
• Automated and streamlined weekly reporting of yield analysis by developing 3 macros in Yield Explorer and IMP Software
• Wrote a Python program to expedite finding the most optimal VDD Pass Current Limit in production to maximise wafer production profit, reducing an hour process to 5 seconds
• Worked with EMP Team to prepare and give presentations monthly, giving updates on workflow and new technologies during meetings with upper management

Singapore Examination and Assessment Board, *Research Assistant* Mar 2021 – May 2021
• Collaborated with Research Specialist in cleaning and structuring test data for analysis
• Supervised 7 team members in handling data conversion.

Central Provident Fund Board (CPF Board), *Administrative Assistant* Nov 2020 – Feb 2021

ACADEMIC PROJECTS / PERSONAL PROJECT

NTU Final Year Project (FYP): Aug 2024 – May 2025 (Expected)
3D Object Detection for Assembly Task using AI
• Train and tune Convolutional Neural Network (CNN) for better model performance
• Coded through Python Programming for Data Augmentation and Model Training/ Testing

NTU Design and Innovation Project (DIP): Aug 2023 – Dec 2023
NTU Marketplace Phone Application (Team of 10)
• Expected to apply Flutter Programming (Dart) to design, code and develop software mobile application with platform for enabling NTU students to sell 2nd hands products or services
• Acquire knowledge, skill, and ability with insight into software development life cycle
• Deploy software management application "JIRA" to track project progress and members' contribution.

Personal Project: Portfolio Website Jul 2023 – Dec 2023
• Employ React JS framework to design, code and build responsive website which can showcase users' portfolios for hiring managers' review in job applications
• Utilise Github pages to host the website and make it publicly available on the internet

NTU Introduction to DIP: E-shop Web Application (Team of 2) Feb 2023 – Mar 2023
• Directed creative aspects of all 9-page website through colour research Figma mock-ups
• Applied 4 frontend software programming languages/tools (i.e., HTML, CSS, JavaScript, jQuery) and 2 backend tools (i.e., Java Servlet, MySQL)
• Honed navigable website with functional features (e.g. Menu, Clickable Taskbar, Footer, Application Forms, Cards, Cart, Login & Register)

- NTU Introduction to DIP: **Quiz Mobile Application** (Team of 2) Mar 2023 – Apr 2023
- Develop a mobile application that is able to send the user answer into MySQL database and output all connected users answers in a graph on the computer.
 - Designed a 4-screen WebView application with user registration, timer and data visualisations of the users' answer using Android Studio, HTML, CSS and MySQL.

- Shopee Product & Design Innovation Challenge 2022 Aug 2022 – Oct 2022
- Competition Product & Design Project: **Reimagining Grocery E-Commerce** (Team of 4)
- Utilized 3 software (i.e., Figma, Canva, Photoshop) to redesign Shopee supermarket experience
 - Addressed real world technological challenges in E-commerce industry with suggested alternatives

LEADERSHIP / CO-CURRICULAR ACTIVITIES

- NTU Garage @EEE, **Course Facilitator** Aug 2022 – Aug 2023
- Hosted training 3 workshops to develop students' technical knowledge, skill and ability with competency.
 - Imparted skills to students such as React.js, 3-D Modelling & Printing, ESP32 Microcontroller and Arduino

- NTU Inter-Hall Recreational Council, **Chairperson** Sep 2022 – Aug 2023
- Led 54 team committee members to organize *NTU Annual Inter-Hall Recreational Games* for 1300 participants
 - Liaised with school's administration to ensure adherence to school and national COVID-19 regulations
 - Elected as Hall-13 Representative in Hall Olympiad Committee.

- NTU-Hall 13 Council, **Recreational Secretary** Aug 2021 – Sep 2022
- Conducted intra-hall activities to foster competitive spirit among residents.
 - Managed 15 Team Captains to host training sessions.
 - Represented Hall of Residence 13 at NTU Inter-Hall Recreational Games.

- NTU-Hall 13 Orientation Council, **Group Leader** Aug 2021 – Sep 2022
- Oversaw 46 hall freshmen through events and games.
 - Planned, organized and executed orientation games for 200 freshmen to encourage interaction and bonding

SKILLS

- **Software Programming:** C Language, C++, Python, Java, MySQL, MongoDB, ReactJS, NodeJS, Flutter, Tailwind, Bootstrap, CSS, Android Studio, Unity
- **Software Applications:** Figma, Canva, GitHub, JMP, Yield Explorer, Adobe Photoshop, Autodesk Inventor, JIRA, Microsoft Office 2023 (Excel, PowerPoint, Words, Outlook), Zoom, Microsoft Teams