

Wei Haoran  
Mobile Phone: (+65) 8510 1992 | Email: weih0006@e.ntu.edu.sg

## EDUCATION

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### Nanyang Technological University (NTU)

Aug 2018 – Jun 2022

- **Bachelor of Engineering (Electrical and Electronic Engineering)**
- **Honours (Highest Distinction)**; CGPA: 4.63 / 5.00
- Specialization: **Info-Communications Engineering (Data Intelligence and Processing)**
- Relevant Modules: (1) *Data Mining and Artificial Intelligence* (2) *Web Application Design* (3) *Database Systems* (4) *Enterprise Network Design* (5) *Introduction to Data Science and Artificial Intelligence* (6) *Image Processing* (7) *Data Structures and Algorithms* (8) *From Computational Thinking to Programming* (9) *Computer Communications* (10) *Digital Signal Processing*

### Virtual Training and Learning Development

- Relevant Module: *Using Python to Access Web Data*

## ACADEMIC PROJECTS

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### NTU-EEE Final Year Project: ***Mobile Apps for Tours & Travels with Augmented Reality*** Aug 2021 – May 2022

- Successfully applied **Flutter Framework** to design and develop full-stack Android application as frontend and using **Google Cloud Platform** and **Firebase** as backend.
- Enabled to support tourists with personalized tour recommendations and customized itinerary plans.
- Integrated **Augmented Reality** User Interactions with Wikitude Javascript Plugin.

### NTU-EEE Module: ***Web Application***

Aug 2021 – Nov 2021

#### Module Project: ***SoundX - Web Application for Audio Device Online Shopping*** (Team of 2)

- Designed and sketched website wireframe and user flow diagram.
- Designed MySQL database, and deployed **Python Programming** and Library “Selenium” to scrap, collate and process data.
- Successfully utilized **PHP Programming** to implement software application back-end logic while using **JavaScript** to validate user form inputs.

### NTU Design and Innovation Project: ***Automatic Review System*** (Team Leader of 3)

Aug 2020 – Dec 2020

- Applied **Python Programming** to design and develop *Deep Neural Network* to auto-generate customers’ reviews based on input images.

## INTERNSHIP & WORK EXPERIENCE

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### Sea (Garena) Pte Ltd, ***Quality Assurance Engineer*** (SeaCloud)

Jul 2022 – Sep 2022

- Contributed to manual Web UI testing process for Sealcloud Team.
- Designed test plan and executed test cases on 4 cloud modules.
- Collaborated with Product Managers and UX Designers for product requirements collation.
- Experienced in building automation UI test framework prototype with *Pytest*, *Selenium* and *Allure Report*.

### Autodesk Asia Pte Ltd, ***Software Engineering in Test Intern*** (Autodesk Data Platform)

Jan 2021 – Dec 2021

- Contributed to 12 automation test projects for *Product Analysis & Data Aggregation* Team.
- Implemented and maintained 16 automation test suites for 6 components and workflows.
- Acquired skills in AWS, Jenkins, Java/TestNG, Python/Pytest, SQL.
- Increased 90% of automation test coverage on average and reported 5 production issues.

## OVERSEAS EXCHANGE PROGRAMME

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### University of Strathclyde, United Kingdom

Jan 2020 – May 2020

- Modules Accomplishment: (1) *Electromagnetism* (2) *Engineering Analysis* (3) *Electrical Principles*
- Interacted with diverse international students thereby enhancing cross-cultural knowledge, self-confidence and self-reliant.
- Honed effective communication and interpersonal skills in networking.

**University of California, Los Angeles**

Jun 2019 – Aug 2019

- Modules Accomplishment: (1) *Academic English Writing* (2) *Physics Laboratory with **Python***
- Gained insights into American culture and lifestyle; embraced different values, traditions, and beliefs.

**LEADERSHIP / CO-CURRICULAR ACTIVITIES**

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**NTU Chinese Society Chinese Drama Production, Vice President**

Aug 2020 – Apr 2021

- **Led** 36 team members to coordinate various departments.
- Managed club social media channels and collaborated with school and other clubs.
- Rent video equipment and facilitated online streaming of the annual performance.

**SKILLS & CERTIFICATION**

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- **Software Programming:** Python, Java, SQL, C Language, MATLAB, HTML, CSS, PHP, JavaScript, Flutter, Dart
  - **Software Applications:** Jenkins, Amazon Web Services, Adobe Photoshop, Adobe Premiere
  - **Certification:** AWS Certified Cloud Practitioner
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