

## EDUCATION

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Nanyang Technological University (NTU)

Aug 2019 – Jun 2023 (Expected)

School of Electrical and Electronic Engineering

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

• **Honours (Merit) (Expected)**

• Relevant Modules: (1) *Software Engineering* (2) *From Computational Thinking to Programming* (3) *Design and Innovation Project* (4) *Interface Design* (5) *Web Application Design*

## ACADEMIC PROJECTS / MODULE PROJECTS

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NTU-IEM Module: **Web Application Design**

Aug 2022 – Nov 2022

NTU Module Project: **CovCare Website** (Team Leader of 4 Members)

- Developed a website for a fictional medical company that does PCR testing in Singapore
- Conducted *Competitive Analysis* using *SWOT Analysis* to assess the strengths and weaknesses of current medical websites and identifying opportunities to improve
- Utilised **Figma** to create user personas, customer journey map, and prototypes for the web portal using *Web Design Principles* and *UX Design*
- Applied Web Application Programming using **HTML5**, **CSS3**, **JavaScript**, and **Bootstrap** to code the web portal within one month

NTU-IEM Module: **Design and Innovation Project**

Aug 2021 – Nov 2021

NTU Module Project: **BusMeet App** (Team of 11 Members)

- Developed an integrated version of the current *BusLeh* and *Glympse* mobile applications using **JavaScript** for users to check bus information and share user information simultaneously
- Designed the new interface and improved user flow of the application with high-fidelity prototypes, assets and avatars using **Figma**, **Miro**, and **Procreate**
- Utilised the Expo framework using *React Native* for our application development and *Amazon Web Services (AWS) Amplify* to set up the backend infrastructure of our application
- Successfully integrated new functions and interface into the *BusLeh* application through iterative refinements

## INTERNSHIPS

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**Project Engineer Intern, Innwave Tech Pte. Ltd.**

Jan 2022 – May 2022

- Performed site-specific engineering analysis with the Operations Team and strategizing design and process changes to improve the quality and efficiency of the project
- Liaised with teams of 16 from the Data Science Team and Operations Team to monitor and maintain project progress through daily meetings and data analysis
- Prepared project analysis reports and cost estimations using **Microsoft Excel** to mitigate risks and maximise profit
- Successfully improved the reliability and accuracy of image recognition algorithm by 32% in 2 months

**Web UX Analyst Intern, Accenture**

May 2021 – Aug 2021

- Analysed existing web/mobile applications and conducted surveys and interviews to identify areas where UX can be improved
- Collaborated with different stakeholders about the technical challenges and constraints posted to the team
- Utilised **Figma** and **Miro** to construct user flows, wireframes, and 3 high-fidelity prototypes in the ideation and redesigning process using **UX Design**
- Proposed and implemented innovative solutions to the various stakeholders using the prototypes created to resolve issues identified on the existing portal

## WORK EXPERIENCE

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### **Customer Service Officer, AGrader Learning Centre**

Jan 2021 – Sep 2021

- Handled customers' inquiries and identified customers' needs with customer service provisioning
- Involved in administrative work using **Microsoft Excel** to assist the daily operations of the centre
- Improved patience, flexibility, attentiveness, and sensitivity towards customers' needs

## LEADERSHP / CO-CURRICULAR ACTIVITIES / VOLUNTEERISM

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### **Secretary, Cultural Activities Club (CenterStage 2021)**

Aug 2020 – May 2021

- Elected as one of top 5 Main Committee Members to be in-charge of decision making
- Supervised and addressed disciplinary issues and administrative practices for 28 committee members
- Oversaw committee welfare, prepared, and disseminated meeting agendas and minutes-of meeting
- Developed leadership, time-management, and organisational skills

### **Programmes Committee Member, Rotaract Club (International Service)**

Aug 2019 – May 2020

- Devised educational lessons and games for *Overseas Service-Learning Project* in Myanmar
- Initiated, planned, and organised fund-raising events through sales of Chinese New Year cookies and Eureka popcorns which funded 23% of the trip expense
- Enhanced coordination and interpersonal skills

## SKILLS

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- **Languages:** Proficient in English and Chinese (Mandarin)
- **Software Programming:** HTML5, CSS3, JavaScript, SQL, PHP, C Language, Object-Oriented Programming
- **Software Applications:** Figma, Bootstrap, Procreate, Photoshop, React, Autodesk Inventor, Android Studio, Unity, Microsoft Office,