

## EDUCATION

**National University of Singapore** Aug 2020 – Present

Bachelor of Engineering (Computer Engineering)

- Awarded ASEAN Undergraduate Merit Scholarship (Full coverage with allowance)
- Expected Date of Graduation: May 2024

**Catholic Junior College** Feb 2018 – Dec 2019

Singapore Cambridge General Certificate of Education Advanced Level

- Attained 5 distinctions with Rank Points 86.25 / 90
- Principal's Honour Roll 2018, ASEAN Scholarship 2018/19 (Top students across ASEAN and China)

## WORK EXPERIENCE

**NXP Semiconductors** May 2022 – Dec 2022

*Product Engineering Intern*

- Discover various machine learning models to improve the workflow of product engineers from traditional flows
- Developed a GUI Prototype using IronPython to allow experienced engineers to label data on TIBCO Spotfire
- Utilized python Tensorflow library for Convolutional Neural Networks and Generative Adversarial Networks

## CO-CURRICULAR ACTIVITIES

**Residential College 4 House Committee** May 2021 – May 2022

*Executive Committee – Head of House*

- Directed a committee of 25 people to plan and execute events and welfare for over 100 residents
- Partnered with the College Students' Committee to assist in college-wide events of over 400 participants
- Achieved 94.2% approval ratings among 120 voters during elections

**National University of Singapore Student Union Student Life Fair** Jan 2021 – Oct 2021

*Executive – Marketing Executive*

- Negotiated with at least 15 companies on sponsorship matters for the event
- Secured over \$150,000 worth of products for giveaway goodie bags for the event
- Facilitated the virtual event with a strong outreach totalling 7,596 visitors

## ACADEMIC PROJECTS

**CG4002 Capstone Laser Tag** Aug 2022 – Nov 2022

*Machine Learning Component*

- Helmed a team of 5 students to create a 2-Player Augmented Reality laser tag
- Deployed a Convolutional Neural Network using TensorFlow for integration achieving above 95% validation
- Achieved 99% expected result match during accelerator integration using Xilinx and C++
- Undertook responsibility of Game Engine and state updating of server to achieve 39/40 correct predictions

**Qlio Hotel Website** Dec 2021 – Jan 2022

*Front End Developer*

- Collaborated with 2 other students to develop a website for a hotel
- Utilized React.js libraries to realise a Figma design

**Fridget** Sep 2021 – Nov 2021

*Developer*

- Developed an item list CLI application meant to help organise items kept in the fridge with 3 other teammates
- Employed standard coding practices, documentation, planning and project management procedures
- Launched releases and resolved bugs submitted as issues in our github

## AWARDS AND ACHIEVEMENTS

Certificate of Appreciation (Secretary of Canoeing) 2019

Certificate of Distinction (Philharmonic Orchestra) 2017

Uniformed Groups' Bronze Award (Assistant Patrol Leader in Scouts) 2017

## ADDITIONAL INFORMATION

- *Language skills* : English (Advanced), Mandarin (Advanced), Malay (Basic)
- *Computer languages* : Python, C, C++, Java, SQL, JavaScript, React.js, Verilog