

## Education

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### **M.Sc. Urban Science, Planning and Policy** **Sep 2020 – Aug 2021**

*Singapore University of Technology and Design (SUTD)*

- Thesis: "A Conceptual Map of Artificial Intelligence in the Singapore Smart Nation."
- Advisor: Professor Sun Sun Lim

### **B.Eng. Information Systems Technology and Design, Minor in Artificial Intelligence** **May 2017 – Aug 2020**

*Singapore University of Technology and Design (SUTD)*

- GPA: 4.21/5.00
- Capstone Project: "PlanAhead, A Career Recommendation Mobile App for Youths"

## Professional Experience

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### **Data Scientist** **Jan 2022 – Present**

*Decision Science, xData, Home Team Science and Technology Agency (HTX)*

- Built machine learning systems for Home Team capabilities.
- Engaged with Home Team Departments to define scopes and kickstart POCs.

### **Senior Research Assistant** **Dec 2021 – Aug 2022**

*Artificial Architecture Lab, Singapore University of Technology and Design (SUTD)*

- Computational network analysis and entity extraction using Spacy to discover relationships between designers and digital software competency.
- Designed a digital competency framework to assess local designers' skill competency.

### **Strategic Research Intern** **Jan 2021 – Feb 2021**

*Strategic Research Department, Urban Redevelopment Authority of Singapore (URA)*

- Freight exploratory analysis and commodity-based trip modelling in Python and ArcGIS.
- Literature Review on freight modelling and last-mile delivery modes

### **Predictive Analytics Intern** **May 2019 – Aug 2019**

*Predictive Analytics, Mobile Marketing, Singapore Telecommunications Limited (SingTel)*

- Developed multiple predictive models for customer care traffic routing in Python.
- Data engineering in Apache Spark environment.

## Teaching Experience

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### **Teaching Assistant**

- Digital World, Introduction to Python programming (Spring 2019 and Spring 2020)

## Extracurricular Experience

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### **Head of Design** **Sep 2019 - Jan 2020**

*What The Hack 2020 @ SUTD (Environment) Hackathon*

- Directed the theme and style for the hackathon.
- Mentored juniors on design and branding.

### **Head of Design** **Jun 2018 - Sep 2018**

*What The Hack 2018 Immersive Realities @ SUTD (Virtual Reality) Hackathon*

- Directed the theme and style for the hackathon.
- Designed the website, publicity materials, and branding.

### **Deputy Project Director** **Jun 2017 - Sep 2017**

*Park(ing) Day 2017, Singapore University of Technology and Design (SUTD)*

- Liaised with Urban Redevelopment Authority (URA) on venue road closure and to be part of the Our Favourite Place movement.
- Directed publicity, ensured consistent and thoughtful concept and design of material.

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**International Honours Programme**  
*Stanford University*

**Summer 2018**

**Undergraduate Fall Semester Exchange**  
*KAIST (Korea Advanced Institute of Science and Technology)*

**Fall 2019**

Honours and Awards

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**EPS Computer Systems Artificial Intelligence Award (2020)**

- Awarded for best undergraduate AI project, a reinforcement learning model trained to play Connect Four.

**SUTD Graduate Scholarship (2020)**

- Awarded to pursue a MSc. at Singapore University of Technology and Design (SUTD)

**SHINE Internship Programme Top Intern Award (2019)**

- Awarded for best intern performance at Singapore Telecommunications Limited (SingTel).

**Temasek Foundation Leadership Enrichment and Regional Networking (LEaRN) Programme Award (2019)**

- Awarded to pursue a fall semester exchange at KAIST (Korea Advanced Institute of Science and Technology).

**Singtel — SUTD Exchange Scholarship (2018)**

- Awarded to pursue the Summer International Honours Programme at Stanford University.

**SUTD Undergraduate Scholarship (2017)**

- Awarded to pursue a B.Eng. at Singapore University of Technology and Design.