



## Education

### Singapore University of Technology and Design (SUTD)

- Bachelor of Engineering (Computer Science and Design) with a Minor in Artificial Intelligence (AI)
- Focus Track: Visual Analytics and Computing
- Expected Date of Graduation: May 2024

Sep '20 to Present

### Nanyang Polytechnic (NYP)

- Diploma in Multimedia and Infocomm Technology
- Specialisation: Information Systems

Apr '15 to Apr '18

## Work Experiences

### Singapore Airlines (SIA) Digital Innovation Lab

#### Full Stack Web Developer

- Spearheaded a digital innovation idea with research that has gained approval from senior executives.
- Developed and implemented a production-level canteen management solution prototype in a team that has been used by hundreds of staff.
- Contributed to the running of events that advocated for digital innovation across SIA and its partners.

Aug '22 to Jan '23

### Singapore Armed Forces Command, Control, Communications and Computers (SAF C4) Command

#### Mobile App Developer and Facilitator

- Developed cross-platform mobile applications using the OutSystems low-code platform that is implemented in various events and divisions in the SAF.
- Advocated mobile app workflows throughout the SAF, improving efficiency & reducing need for manpower.
- Facilitated workshops that provide first-hand experience to personnel developing mobile apps.

Aug '18 to Aug '20

### Oversea-Chinese Banking Corporation, Limited (OCBC)

#### API Developer

- Developed a Web Application Programming Interface (API) authentication interface that is deployed onto the Connect2OCBC web service.
- Designed interactive dashboard modules for an API health checker app to easily make sense of its data.
- Implemented web testing processes onto their APIs, ensuring maximum reliability on its services.

Sep '17 to Feb '18

## Co-curricular Activities

### katyj98 YouTube Channel

#### Project Director

- Grown an audience of over 100,000 subscribers and garnering on average 50,000 views per week.
- Working together with young creatives all over the world to produce creative and meaningful animations.

Mar '11 to Present

### Singapore University of Technology and Design

#### Computational Design Thinking, Teaching Assistant

- Awarded Outstanding Undegraduate Teaching Assistant (UTA) for Fall '21
- Assisted faculty in conducting lessons in Rhinoceros Computer-Aided Design (CAD) software and Python programming.
- Mentored juniors by giving them advice on the module itself as well as their education ahead, formed a deeper bond with juniors.

Sep '21 to Nov '21

Sep '23 to Nov '23

### Government Technology Agency of Singapore (GovTech)

#### Inaugural National Data Viz Video Challenge

- Provided creative expertise for my team during production with the necessary software and skills.
- Assisted with translating researched data into animated infographics.
- Produced a short animation that won 1st place amongst 12 finalists.

Feb '17 to Nov '17

### Nanyang Polytechnic

#### WorldSkills Singapore, Web Design Competitor

- Trained in the Web Design skill with other competitors from NYP to learn the necessary web design and development techniques required for the competition.
- Competed at the national level in WorldSkills Singapore 2016 to win 1st runner up amongst 16 finalists from various institutions.

Jul '15 to Jul '16

## Technical Skills

(Able to learn any related software, frameworks, and libraries as required)

- **Multimedia Production:** Adobe After Effects, Illustrator, Photoshop, Affinity Designer, Final Cut Pro.
- **Full Stack Web Development:** Google Cloud Platform, Amazon Web Services, React, Firebase, MySQL, and Typescript.
- **Software Development:** Python, Java, and C#.