Kat Yong Jie

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Education

Singapore University of Technology and Design (SUTD)   **Sep '20 to Present**
- Bachelor of Engineering (Computer Science and Design)
- Focus Track: Visual Analytics and Computing
- Expected Date of Graduation: May 2024

Nanyang Polytechnic (NYP)   **Apr '15 to Apr '18**
- Diploma in Multimedia and Infocomm Technology
- Specialisation: Information Systems

Work Experiences

Singapore Airlines (SIA) Digital Innovation Lab   **Aug '22 to Jan '23**
Full Stack Web Developer
- Spearheaded a digital innovation idea with research that has gained approval from senior executives for prototyping.
- 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.

Singapore Armed Forces Command, Control, Communications and Computers (SAF C4)   **Aug '18 to Aug '20**
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.

Oversea-Chinese Banking Corporation, Limited (OCBC Bank)   **Sep '17 to Feb '18**
API Developer
- Developed a Web Application Programming Interface (API) authentication interface that is deployed onto the Connect2OCBC web service.
- Designed interactive dashboard modules for Connect2OCBC's API health checker app to easily make sense of its data.
- Implemented web testing processes onto Connect2OCBC's web APIs, ensuring maximum reliability on its services.

Co-curricular Activities

Singapore University of Technology and Design   **Sep '21 to Nov '21**
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.

Government Technology Agency of Singapore (GovTech)   **Feb '17 to Nov '17**
Inauagural 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.

Nanyang Polytechnic   **Jul '15 to Jul '16**
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.

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, React, Firebase, MySQL, and Typescript.
- **Software Development**: Python, Java, and C#.