FION YAO

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EDUCATION

Singapore University of Technology and Design (SUTD) **Singapore**
- Bachelor of Engineering (Information Systems Technology and Design), Honours **May 18 to Present**
- GPA 3.95/5.00
- Expected Date of Graduation: August 2021
- Awardee of Ngee Ann Kongsi Scholarship awarded to students with outstanding 'A' level qualifications

Zhejiang University (ZJU), Global Leadership Programme (GLP) **Hangzhou, China**
Summer Exchange **May 19 to Aug 19**
- Developed cross cultural communication skills through interaction with the Chinese professors and classmates during daily lesson discussion
- Collaborated with a team of 7 to build 2 functioning mobile applications with Augmented Reality and music as the theme
- Presented the app which responds to the sounds visually to the public

WORK EXPERIENCES

Codomo Pte Ltd **Singapore**
Intern **Jan 16 to Dec 17**

- Facilitated range of courses (coding, fintech, design innovation, robotics) to students aged 5-18
- Tested lesson material with MIT app developer, Scratch, Dash & Dot and Lego MindStorms EV3
- Developed coding curriculum for children aged 7-13
- Delivered curriculum to students of various ages

ACADEMIC PROJECTS

Singapore University of Technology and Design **Singapore**
Race not Waste / Introduction to Design Project **Sep 18 to Dec 18**

- Collaborated with 4 team members to develop a solution to tackle the problem of food wastage in catered buffets, using the element of competitive play
- Researched about the root causes of food wastage in Singapore through surveys and studies and developed a prototype of an arcade machine installation that composts food
- Created an A0 poster and a 1-minute video using Adobe Illustrator, Photoshop, Premiere Pro and Autodesk Fusion360 to explain the team's design process and the product features
- Presented our final prototype at the 3.007 Design Showcase held at SUTD to faculty and visitors

Singapore University of Technology and Design **Singapore**
Who's Doing Laundry? / Digital World 1D Project **Jan 19 to Apr 19**
- Designed and developed a working prototype of a mobile app paired with a device to make doing laundry in hostel more efficient, using Kivy and Python
- Developed a device that determines if a washer/dryer is occupied and the time left in the cycle. This was connected to a simple app that made the information available and accessible to students.
- The device consisted of a Raspberry Pi and sensors that were connected to the Firebase, which then could send live data to the appilitated range of courses

Singapore University of Technology and Design **Singapore**
Smart Fridge / Introduction to Information Systems 1D Project **Sep 19 to Dec 19**

- Collaborated as a team of 5 to ideate and worked on a prototype according to the theme of smart nation
- Researched about the common problems people faced at home and rooted for an efficient way to keep track of food at home
- Developed a prototype of a smart fridge installation which connected to an app to automatically update and show users the amount of food left and their expiry dates using Java and Android Studio
- Presented our final prototype at 2019 ISTD Showcase held at SUTD to faculty and visitors

EXTERNAL ACHIEVEMENTS

Void Space - Junction X Hackathon   **Singapore**
                                                                                                                                   Sep 19

- Collaborated with 4 team members to ideate and develop a working mobile application prototype within 2 days
- Given theme was to improve an experience using APIs and Singapore's open data portal
- Developed a prototype of a mobile app that uses Augmented Reality for users to co-create artworks using virtual MRT walls as canvases to improve MRT waiting experience
- Pitched to a professional team of Rakuten employees
- Competed against 9 other teams internationally and won 1st runner up in Rakuten track

ADDITIONAL INFORMATION

- Proficient in Python, Java, Swift, Autodesk Fusion360, Android Studio, XCode
- Proficient in Adobe Illustrator, Photoshop, Premiere Pro
- Fluent in English and Mandarin (spoken & written)