

# Kuah Wee Ping

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## Education

### Singapore University of Technology and Design

May 2018 – Sep 2021

- Bachelor of Engineering (Information Systems Technology & Design), Honours, CGPA: 4.43/5.0
- Elements of Software Construction, Computer Systems Engineering, Introduction to Algorithms, Introduction to Information Systems & Programming, Computation Structures, The Digital World
- Undergraduate Teaching Assistant for The Digital World
- Recipient of the Rock-SUTD Scholarship

### Zhejiang University – Summer Exchange Programme

May 2019 – Aug 2019

- Selected for the Global Leadership Programme (Top 15% of the Cohort)
- Researched on 2 projects related to the fields of Machine Learning and Virtual Reality

## Work Experience

### Republic of Singapore Navy, Changi Naval Base – Pass Administrative 2IC

Mar 2016 – Dec 2017

- Led a team of 10 in processing of sensitive information and granting access rights for all Navy personnel
- Redesigned the overall lesson plans, training structures and teaching materials to improve training efficiency

## Leadership & Extracurriculars

### Rotaract@SUTD – President

Aug 2019 – Present

- Liaise closely with Rotary District for support and sponsorships in 2 OCIPs which consist of over 40 members
- Initiated collaboration with IEEE and Grub Club in STEM Workshops to promote Community Service scene in SUTD

### 3DC Developers Student Club – Core Team | powered by Google Developers

Nov 2018 – Present

- Organised and conducted workshops related to Python and Java to over 200 students for outreach events

## Projects & Hackathons

### Void Space | App Developer | Runner-Up for JunctionX Singapore

Sep 2019

- Developed an AR app using Unity that allows users to place pixelated blocks on virtual 3D canvas with a team of 5

Main Contributions:

- Integrated the app with Google's Firebase for real-time synchronisation of data for the 3D canvas
- Implemented a live-location feature into the app using Google's geolocation API

### FastCart | Software Developer | Winner of Mitsubishi Corporation Introduction to IS Award 2020

Sep 2019 - Present

- Developing a smart check-out system app using Android Studio for groceries shopping with a team of 6

Main Contributions:

- Integrated weight-checking feedback between the shopping trolley and our app using RPi and Firebase
- Developing an Object Detection model for shopping cart items using Tensorflow and GCP

### VOUCH | Software Developer | Finalists for F&B Tech Reboot Challenge

Dec 2019 – Feb 2020

- Developed a Distributed Ledger System for vouchers transactions using HyperLedger Fabric framework with a team of 5

Main Contributions:

- Integrated the Frontend Web UI with LoopBack API using Flask framework, HTML, CSS, Bootstrap, Javascript
- Implemented solutions to simulate voucher transactions from CLI using NodeJS

## Technical Expertise

- **Languages:** Python, Java, JavaScript, C/C++, HTML/CSS, SQL
- **Frameworks/Libraries:** Android Studio, Flask, Unity, Tensorflow, GCP, PERN stack