

Yu Liang Kwa

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PERSONAL PROFILE

Being adventurous, risk taking, and self-driven, I have extensive international experiences through studying abroad and participating in multiple overseas programs. As someone who enjoys working in teams, I took part in many projects and leadership roles to improve my collaboration skills.

EDUCATION

Singapore University of Technology and Design (SUTD) Sep 21 to Present

- Bachelor of Engineering (Engineering Systems Design)
- GPA 4.25/5.0, SUTD Global Distinguished Scholarship Holder
- Date of graduation: Apr 2025

University of California, Berkeley Jul 22 to Aug 22

- Global Leadership Program – Fully sponsored program awarded to only 40 students of the cohort
- Game Theory for Social Sciences (A-), Introduction to Econometrics (B+)

ACADEMIC/PERSONAL PROJECTS

SGX Screener App, Software Developer May 21 to Present

- Extracted relevant financial information from SGX of close to 700 stocks through web scraping
- Analysed the financial information extracted from SGX using Python to apply discounted cash flow valuation to estimate the fair value of various stocks
- Designed the workflow and user interface of the app to display the potential of different SGX stocks for investment purposes

Crop Yield Prediction, Software Developer, Analyst Oct 22 to Dec 22

- Developed a multiple linear regression model to predict crop yield in the United States using environmental indicators
- Investigated the social impacts of implementing our prediction model, to ensure accountability
- Designed an interactive website for users to perform their own prediction, and view historical trends of environmental indicators

FundSuperMart Funds Screener, Personal Project May 21 to Dec 21

- Extracted price history of more than 1700 funds displayed on the FSM website through web scraping
- Calculated the risk versus returns of those funds and displayed the results on a interactive HTML website

Flexi-Q, Design Engineer Jan 21 to Mar 21

- Designed an aesthetic solution to improve the queueing experience of around 100 DBS office workers in the indoor atrium of DBS Asia Hub
- Built a physical prototype to demonstrate the ergonomics and practicality of the product
- Created a wireless charger to improve convenience of phone charging while utilising Flexi-Q
- Performed a life-cycle analysis to evaluate the environmental impacts of Flexi-Q

WORK EXPERIENCE

Covid Surveillance Unit, Combat Medic

Oct 19 to Sep 21

- Provided medical support for 12000 foreign workers infected with Covid-19 in Expo Hall during the peak of the pandemic in May 2021, and was awarded the Special Covid-19 Recognition Award (MINDEF) for my contributions

Circles Life, Promoter

Aug 19 to Sep 19

- Distributed around 1500 SIM cards as part of Circle Life's marketing campaign, and had the most SIM card activations in the month of August 2019

CO-CURRICULAR ACTIVITIES

SUTD Boxing Club, Treasurer

Jan 23 to Jan 24

- Host group training sessions for around 10 members twice a week
- In charge of club financing and purchasing, set up a collaboration with Onyx MMA to get a boxing coach to come down to SUTD once a week

SUTD FACT MUxUGM Program

Jan 23

- Collaborated with 2 UGM students in a team of 4 to create a mathematical model to address mobility, energy, and environmental issues in Indonesia

SUTD House Guardian, Senior Member

Sep 22 to Aug 23

- Contributed to building a vibrant hostel community by organising floor and block events reaching sizes of 200 participants, while ensuring the safety and wellbeing of the 30 residents on my floor

SUTD Boxing Club, President

Jan 22 to Jan 23

- Host group training sessions for around 10 members twice a week
- Arranged a partnership with Legends Fight Sports in preparation for NUS Exhibition Fight 2023, leading SUTD Boxing Club fight team to 2 golds and 1 silver
- Attained a gold medal at NUS Exhibition Fight 2023 in front of an audience of around 50 people

Student Council, Vice-President

Aug 18 to Jul 19

- Organised and executed many student-led events such as prom, raising a total of SGD \$25000 within a year for the event, which attracted 60 Sec 4 and JC 2 graduating students due to promoting it through unique and unconventional skits and publicity stunts
- Represented and stood up for the student body by facilitating and preparing them to raise their concerns coherently during Townhall, managing to convince the school to upgrade the lockers and improve maintenance of the swimming pool

ADDITIONAL INFORMATION

- Languages: Proficient in English, Chinese, basic Thai
- Programming languages: Python, R, SQL
- Public speaking: Ex-debate CCA member, experience in multiple forward-facing leadership roles
- CAD: Self-learnt basic design on Fusion 360 and SolidWorks
- Others: Piano ABRSM Grade 8 (July 2017), Swimsafer Gold (December 2010)