

# Yu Liang Kwa

Email [yuliang\\_kwa@mymail.sutd.edu.sg](mailto:yuliang_kwa@mymail.sutd.edu.sg)

LinkedIn <https://www.linkedin.com/in/yu-liang-kwa-b6a928228> | Portfolio <https://yuliangod.github.io/>

## 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 4.2/5.0, 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+)

### Yonsei University, Seoul Feb 24 to Jun 24

- Korean (A+), Game Theory (A-), Investment Theory (B+), Statistical Machine Learning (B+)

## WORK EXPERIENCE

---

### Julius Baer, Innovation Catalyst Sep 23 to Feb 24

- Developed an analytics platform for the business management team to perform competitor and product offering analysis
- Developed an analytics web app and formulated math models to provide alternative intelligence to aid the equity research team with portfolio analysis

### 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

## ACADEMIC/PERSONAL PROJECTS

---

### Crypto Carry Trade, Personal Project Jun 23 to Mar 24

- Researched on the feasibility of performing an arbitrage trade involving ETH perpetual futures and spot positions, with the assistance of my finance professor

### Game of Loans, Academic Project May 23 to Aug 23

- Led a group of 4 to build a banking loans simulator connected to a MySQL database, with features such as data visualisation and seasonal demand

### Fantasy Football Linear Optimisation Project, Academic Project Jan 23 to Apr 23

- Utilised JuMP and Julia to create a linear optimisation model to formulate most optimal fantasy lineup of 11 starting players and 4 substitutes for the 2020/2021 Fantasy Premier League season

### Property Forecasting Model, Industry Project Jan 23 to Apr 23

- Collaborated with a property consultancy company: The Right Move, to extract relevant data and develop a model to predict future property prices of condominiums in District 15

## **COMPETITIONS/HACKATONS**

---

### **Julius Bear x Tenity Intrapreneurship Program, Leader, 1<sup>st</sup> place**

**May 23 to July 23**

- Led a team of 3 to consult the business management team and develop a prototype to help Julius Baer benchmark itself against its competitors, and identify new areas of growth
- Was awarded a 5 month full time contract with the bank to implement the project

## **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 finances such as equipment purchases and coach hiring

### **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

## **ADDITIONAL INFORMATION**

---

- Languages: Proficient in English, Chinese, basic Thai, basic Korean
- Programming languages: Python, R, SQL, HTML, CSS, Julia, Go
- Hobbies: Boxing, Muay Thai
- Public speaking: Ex-debate CCA member, experience in multiple forward-facing leadership roles
- Others: Piano ABRSM Grade 8 (July 2017), Swimsafer Gold (December 2010)