

# Yuchen Liang

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## EDUCATION

### National University of Singapore (NUS)

*Aug 2018- present*

Ph.D. Programme in Operations Research and Analytics

NUS Graduate Research Scholarship

### National University of Singapore (NUS)

*Aug 2014- May 2018*

Bachelor of Science (Hons.): Applied Mathematics & Economics Double Major Programme

Specialisation in Financial Mathematics & Operations Research

Science & Technology Undergraduate Scholarship

### College of William & Mary

*Jan 2017-May 2017*

Student Exchange Programme

## RESEARCH INTERESTS

Decision Making Under Uncertainty, Supply Chain Management

## RESEARCH EXPERIENCE

### Principal Agent Problem in Bankers' Bonus and Risk Taking, Honours Year Project

*Aug 2017-May 2018*

- Supervisors: Professor Jussi Keppo, Professor Zhao Gongyun
- Designed bonus contract of bank's CEO to optimize the risk level of the bank's portfolio.

## WORK EXPERIENCE

### Trade Finance Intern, Bank of China (Singapore)

*May 2017-Aug 2017*

- Researched on over 100 institutions' compliance information and filed report for every deal for the manager to review.
- Collaborated with colleagues in handling daily deals in secondary market forfaiting and risk participation businesses.
- Liaised with different departments including the trade operations department, risk management department, and legal and compliance department to process daily deals.
- Initiated documentation for internal procedures and regulations.

### Change Implementation Intern, Great Eastern Life Assurance

*May 2016-Jul 2016*

- Developed new skills using VBScript through self-instruction, trouble shooting and research.
- Independently completed an automation project for claims process and customer service process. Designed code using VBScript to process data submitted by user.
- Reduced half day of manual work per task to 20 minutes of data input. Significantly improved the department's efficiency.
- Created detailed user manuals and implemented user friendly Excel functions to reduce errors in data inputs according to advice from colleagues.
- Facilitated training sessions to teach 20 colleagues in the department to incorporate new process into their daily work.

## LEADERSHIP EXPERIENCE

### Vice Chairperson, NUS Student Union, International Relations Committee

*Aug 2015-May 2016*

- Co-Project Director of one of the largest NUS annual talent shows, SPARKZ'16, leading a committee of 16 members.
- Creatively transformed a simple stage performance into a carnival style concert.
- Liaised with judges, participants, NUS offices, and external vendors to prepare for the event.

### Marketing Executive, NUS Student Union, IRC In-Fusion 2015 Committee

*Aug 2014-May 2015*

- Designed the marketing proposal and collected \$ 3,000 sponsorship, making the stage performance free for admission.

### Founder & Head, Environmental Protection and Community Service Club

*May 2012-June 2013*

## OTHER INFORMATION

- MATLAB, R, Python, Microsoft Office, VBScript, VBA, LaTeX

- Fluent in English and Mandarin
- Trekking, Longboard, Piano, Travelling