

# LeeYi Quan

## contact

Blk 443 Jurong West  
Ave 1  
# 07-724  
Singapore 640443

leeyiquan95@gmail.com

## languages

English  
Chinese/Mandarin

## programming

Java,  
Python,  
C++, C,  
 $\LaTeX$

## Experience

- Jun–Nov '20 **DSO National Laboratories** Singapore  
*Summer Intern*
- Literature review and surveyed various algorithms.
  - Compiled notes on the reasoning and mathematics behind algorithms.
  - Implemented algorithms on SageMath.
- Aug–Dec '19 **National University of Singapore** Singapore  
*Teaching Assistant*
- Teaching assistant for MA1101R - Linear Algebra 1 and CS3244 - Machine Learning.
- Conducted tutorial classes and consultations for MA1101R.
  - Prepared course material and involved in project evaluations for CS3244.
- Jun - Aug '19 **Institute of Mathematical Sciences** Singapore  
*Project Coordinator for Research in Industrial Projects for Students*
- Trained and built machine learning models for microstock image classification using Transfer Learning.
  - Implemented and modified some models such as ILGNet (Inception-Local-Global Network) as well as ILGNet-inspired architectures.
  - Built Selenium-based data scraper to scrape information off internet
  - Coordinated project meetings between team and academic, industrial mentors. Updated program director on weekly progress.

## Education

- 2016–now **B.Sc.** in Mathematics, **B. Comp** in Computer Science National University of Singapore
- Double Degree Program (Mathematics: 4.69/5.00, Computer Science: 4.72/5.00)
  - Minor in Statistics
  - Special Program in Mathematics
- 2012–2013 **GCE A Levels** National Junior College
- Higher 2 Physics, Mathematics, Chemistry and Music
  - Higher 3 Mathematics
  - Achieved distinction for Higher 2 Physics, Mathematics, Chemistry and Higher 3 Mathematics.

## Skills

Java, Python, C,  $\LaTeX$ , SageMath, Pytorch, FastAI, R.

## Interests

Professional Interests: Mathematics, Randomised Algorithms, Statistics, Machine Learning and Parallel and Distributed Algorithms.