

LIXING LYU

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EDUCATION

National University of Singapore (NUS)

Singapore

Institute of Operations Research and Analytics

Aug. 2021 – Present

Ph.D. in **Operations Research**

University of Science and Technology of China (USTC)

Hefei, China

School of the Gifted Young

Sept. 2017 – June. 2021

B.S. Major in **Applied Mathematics**, Minor in **Computer Science**

- Thesis: Inventory Optimization in After-Sales Service subject to Performance-based Contract.
- Supervisor: Assoc. Prof. Xiaolong Guo.

University of Cambridge

Cambridge, UK

Pembroke-King Programme

July.2019 – Aug. 2019

RESEARCH INTEREST

Optimization, Machine Learning

RESEARCH EXPERIENCE

Submodular Optimization, University of Virginia

Research Assistant, Supervisor: Assis. Prof. Cong Shen

May. 2020 – March. 2021

- Theory, algorithms and application of submodular optimization problems.

Inventory Optimization subject to Performance-based Contract, USTC

Hefei China

Research Assistant, supervisor: Assoc. Prof. Xiaolong Guo

Jan. 2019 – June. 2021

- Considered a inventory management model subject to performance-based contract.

INTERNSHIP EXPERIENCE

Algorithm Innovation Lab, Cloud BU, Huawei

Shenzhen, China

Algorithm engineer of cloud computing

Oct. 2020 – Apr. 2021

- Live-video stream scheduling problem & Retrieve network design problem.

SKILLS

- **Computer Skills:** Python, C/C++, Wolfram Mathematica, \LaTeX

HONORS AND AWARDS

The 10th National College Student Mathematics Competition Anhui Division, Second Prize(5%)

2018

Outstanding Student Scholarship, Second Price(10%)

2020

PERSONAL INTERESTS

Sports, eating, cooking, traveling, etc.