

# Huiling Meng

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SE&EM, The Chinese University of Hong Kong, Shatin, Hong Kong

## EDUCATION

### University of Toronto

Visiting Student, Rotman School of Management

Advisor: Prof. Ningyuan Chen

*Toronto, Canada*

*Jan. 2026 – Aug. 2026*

### The Chinese University of Hong Kong

*Ph.D. Candidate in Operations Research*

Department of Systems Engineering and Engineering Management

Advisor: Prof. Xuefeng Gao

*Hong Kong SAR*

*Aug. 2022 – Present*

### Nanjing University

*M.S. in Probability and Mathematical Statistics, Outstanding Graduate*

*Department of Mathematics*

Advisor: Prof. Wanyang Dai

*Nanjing, China*

*Sept. 2019 – Jun. 2022*

### Nanjing University

*B.S. in Statistics, Outstanding Graduate*

Department of Mathematics

*Nanjing, China*

*Sept. 2015 – Jun. 2019*

## RESEARCH

### 1. Reinforcement Learning for Intensity Control: An Application to Choice-Based Network Revenue Management ([link](#))

*Huiling Meng*, Ningyuan Chen, Xuefeng Gao

Under Minor Revision at *Operations Research*

*Accepted at NeurIPS 2025 Workshop ML×OR*

### 2. Artificial Replay: A Variance-Reduced Method for A/B Testing Adaptive Policies

*Huiling Meng*, Ningyuan Chen, Xuefeng Gao

Prepare for submission

## CONFERENCE TALKS

### Reinforcement Learning for Intensity Control: An Application to Choice-Based Network Revenue Management

POMS-HK International Conference

*2024*

INFORMS Annual Meeting

*2024*

INFORMS International Meeting

*2025*

## HONORS & AWARDS

Postgraduate Studentship, The Chinese University of Hong Kong

*2022 – 2026*

Outstanding Graduate, Nanjing University

*2022*

National Scholarship, Ministry of Education of China

*2020*

Pacemaker to Excellent Postgraduate (*Top 2%*), Nanjing University

*2020*

Outstanding Graduate, Nanjing University

*2019*

Chow Tai Fook Scholarship

*2018*

Outstanding Student, Nanjing University	2018
Provincial First Prize, National College Student Mathematics Competition	2017

## **TEACHING EXPERIENCE**

### **Teaching Assistant, The Chinese University of Hong Kong**

ENGG 2760: Probability for Engineers	<i>Fall 2022, 2023</i>
ENGG 2780: Statistics for Engineers	<i>Spring 2023, 2024, 2025</i>
SEEM 4760: Stochastic Models for Decision Analytics	<i>Fall 2024</i>
SEEM 5580: Advanced Stochastic Models (PhD Level)	<i>Fall 2025</i>

### **Teaching Assistant, Nanjing University**

Concise Calculus, School of Foreign Studies	<i>Fall 2019</i>
Calculus II (Tier 1), Department of Computer Science and Technology	<i>Spring 2020, 2021</i>

## **REFERENCES**

### **Prof. Ningyuan Chen**

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Rotman School of Management  
University of Toronto  
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### **Prof. Xuefeng Gao**

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The Chinese University of Hong Kong  
Email: [xfgao@se.cuhk.edu.hk](mailto:xfgao@se.cuhk.edu.hk)

### **Prof. Wanyang Dai**

Professor  
School of Mathematics  
Nanjing University  
Email: [nan5lu8@nju.edu.cn](mailto:nan5lu8@nju.edu.cn)