

# Keyu Zhu

765 Ferst Dr NW, Atlanta, GA 30318

✉ [kzhu67@gatech.edu](mailto:kzhu67@gatech.edu) • 🌐 <https://keyu-zhu.github.io/>

## Education

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### Academic Qualifications.....

- **Georgia Institute of Technology** **Atlanta**  
*Ph.D. in Operations Research (Ongoing)* 2018–2023
- **Shanghai Jiao Tong University** **Shanghai**  
*B.S. in Mathematics and Applied Mathematics (Zhiyuan Honors Program)* 2014–2018
- **Technical University of Munich** **Munich**  
*Visiting student hosted by the Chair of Operations Research, TUM* 2017–2018
- **University of California, Los Angeles** **Los Angeles**  
*2017 Cross-disciplinary Scholars in Science and Technology Summer Program (CSST)* 2017

### Honors and Awards.....

- **Excellent Bachelor Thesis Award** (Top 1%), “Simplicity and Optimality in Auction Design”, Shanghai Jiao Tong University, 2018
- **Zhiyuan Honor Degree of B.S. in Mathematics and Applied Mathematics**, Shanghai Jiao Tong University, 2018
- **Outstanding Graduate of Shanghai Jiao Tong University**, Shanghai Jiao Tong University, 2018
- **National Scholarship** (Top 1%), Ministry of Education of P.R.China, 2017
- **Academic Excellence Scholarship (ClassA)** (Top 5%), Shanghai Jiao Tong University, 2016
- **Second Prize in Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM)** (Top 7%), China Society for Industrial and Applied Mathematics, 2015

## Publications

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*For papers appearing at theoretical CS venues, the author order is alphabetical ( $\alpha$ - $\beta$ ) by convention.*

### **Optimal Pricing For MHR Distributions**

- Yiannis Giannakopoulos, **Keyu Zhu**
- In the *Proceedings of the 14th International Conference on Web and Internet Economics*. **WINE** 2018.

### **On Bayesian Epistemology of Myerson Auction**

- Xiaotie Deng, **Keyu Zhu**

- In the *Proceedings of the 12th International Frontiers of Algorithmics Workshop*. **FAW 2018**.

### **Learn to Play Maximum Revenue Auction**

- Xiaotie Deng, Tao Xiao, **Keyu Zhu**
- In the *IEEE Transactions on Cloud Computing*. **TCC**.

## **Technical Skills**

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- **Programming Languages:** Proficient in Python, Julia,  $\text{\LaTeX}$ .  
Also basic ability with C++, R.
- **Industry Software Skills:** Mathematica (Advanced), Matlab (Intermediate), SPSS (Intermediate), Microsoft Office products (Advanced).

## **References**

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### **Dr. Xiaotie Deng**

School of Electronics Engineering and  
Computer Science  
Peking University  
Science Building, No.5 Yiheyuan Lu  
Beijing 100871, P.R. China  
✉ xiaotie@pku.edu.cn

### **Dr. Mason A. Porter**

Department of Mathematics  
University of California, Los Angeles  
520 Portola Plaza  
Los Angeles, CA 90024, USA  
✉ mason@math.ucla.edu

### **Dr. He Wang**

School of Industrial and Systems Engineer-  
ing  
Georgia Institute of Technology  
755 Ferst Drive, NW  
Atlanta, GA 30332, USA  
✉ he.wang@isye.gatech.edu

### **Dr. Rachel Cummings**

School of Industrial and Systems Engineer-  
ing  
Georgia Institute of Technology  
755 Ferst Drive, NW  
Atlanta, GA 30332, USA  
✉ rachelc@gatech.edu