

# Yuxuan Liang

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## INTRODUCTION

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Yuxuan Liang is now in a joint Master program between Xidian University and Microsoft Research Asia (MSRA). Currently, he is an AI engineer intern at Urban Computing Lab, JD Group, supervised by the Chief Data Scientist Yu Zheng.

## RESEARCH INTEREST

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- Spatio-temporal data mining
- Deep learning
- Ubiquitous computing
- Sequence learning

## PROFESSIONAL EXPERIENCE

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### JD Group Inc., Beijing, China

*AI Engineer @ Urban Computing Lab, Jan 2018 – present*

- Participate in cutting-edge research in deep learning applications in urban area.
- Develop solutions for sensor-based applications and large-scale problems.
- Build and maintain the AI platform of Urban Computing Lab.

### Microsoft Research, Beijing, China

*Research Intern @ Urban Computing Group, Jan 2017 – Jan 2018*

- Apply data science methods and analytics to real-world problems based on heterogeneous data.
- Devoted to the applied research that advances the state-of-the-art in urban computing area.
- Conduct end-to-end analysis that includes data gathering and requirements specification, analysis, ongoing scaled deliverables and presentations.

### Xidian University, Xi'an, China

*Teaching Assistant, Sep 2016 – Dec 2016*

- Participate in guiding and teaching.
- Related courses: Urban Computing, Big Data Analysis.

### Microsoft Research, Beijing, China

*Research Intern @ Urban Computing Group, Dec 2015 – Sep 2016*

- Apply data science methods and analytics to real-world problems based on the cross-domain data.
- Explore machine learning methods (e.g., multi-task learning) in urban areas to solve real-world problems.
- Survey the cutting-edge research closely related to our research interests.

## EDUCATION

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### XIDIAN UNIVERSITY, Xi'an, China

*Master of Computer Science, Sep 2016 - Present*

- GPA: 88/100
- Full-time Internship for MSRA and JD Group Inc.

### XIDIAN UNIVERSITY, Xi'an, China

*Bachelor of Computer Science, Sep 2012 - Sep 2016*

- GPA: 87/100
- Top-2 GPA at the outstanding class.
- Full-time Internship for MSRA.

## SELECTED PUBLICATON

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- [1] **Liang, Y.**, Ke, S., Zhang, J., Yi, X., & Zheng, Y. GeoMAN: multi-level attention networks for geo-sensory time series prediction. *IJCAI*, 2018.
- [2] **Liang, Y.**, Jiang, Z., & Zheng, Y. Inferring Traffic Cascading Patterns. *ACM SIGSPATIAL*, 2017.
- [3] Liu, Y., Zheng, Y., **Liang, Y.**, Liu, S., & Rosenblum, D. S. Urban water quality prediction based on multi-task multi-view learning. *IJCAI*, 2016.
- [4] Liu, Y., **Liang, Y.**, Liu, S., Rosenblum, D. S., & Zheng, Y. Predicting urban water quality with ubiquitous data. arXiv preprint arXiv:1610.09462, 2016.

## AWARD & HONOR

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- National scholarship, three times, 2015, 2016, 2017.
- Outstanding winners of The Interdisciplinary Contest in Modeling, 2015.
- CCF (China Computer Federation) outstanding student, 2015.
- The star of graduates in Xidian University, 2016.
- Silver medal of ACM/ICPC in Shaanxi province, 2015.
- Travel Grants at ACM SIGSPATIAL, 2017.

## COMMUNITY SERVICE

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- Reviewer
  - Information Science
  - Multimedia Tools and Applications
- External reviewer
  - 2018: KDD, SDM, CIKM
  - 2017: KDD, CIKM, CCFAI
  - 2016: ICDM, GIS

## SKILL

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- Programming skills: Matlab, Python, TensorFlow, Keras, C#, C++, Latex, HTML, CSS and JavaScript.
- Proficient in Microsoft Office and Microsoft Visio.
- Certification: Machine Learning (CS229), Convolutional Neural Networks for Visual Recognition (CS231n)
- Top 10% in Certified Software Professional (CSP) hosted by the China Computer Federation.

## REFEREE

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### **Yu Zheng**

Vice President and Chief Data Scientist  
JD Finance Group  
msyuzheng@outlook.com  
<http://urban-computing.com/yuzheng>

*Dr. Yu Zheng is a Vice President and Chief Data Scientist at JD Finance Group, passionate about using big data and AI technology to tackle urban challenges. Now I am a research intern under the supervision of Yu. Before joining JD Finance, he was a senior research manager at Microsoft Research.*

### **Junbo Zhang**

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<http://luctroy.org/>

*Dr. Junbo Zhang is an Associate Researcher II at Microsoft Research. We worked closely at Microsoft Research and published a paper as co-authors at IJCAI-18.*