

# Ziming Li

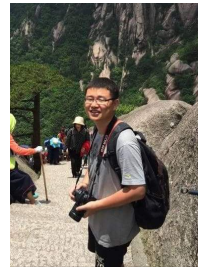
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📌 My research interests are Information Retrieval, Dialogue systems and Inverse Reinforcement Learning



## Research Publications

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- 1 Li, Z., Kiseleva, J., Agarwal, A. & de Rijke, M. (2019). Learning data-driven objectives to optimize interactive systems. *LIRE workshop, NeurIPS 2019*.
- 2 Li, Z., Kiseleva, J. & de Rijke, M. (2019a). Dialogue generation: From imitation learning to inverse reinforcement learning. *AAAI 2019*.
- 3 Li, Z., Kiseleva, J. & de Rijke, M. (2019b). Dialogue policy learning: Supervised, adversarial and reinforcement learning. *in submission*.
- 4 Li, Z. & de Rijke, M. (2017). The impact of linkage methods in hierarchical clustering for active learning to rank. *SIGIR 2017*, 941–944.
- 5 Li, Z., Kiseleva, J., de Rijke, M. & Grotov, A. (2017). Towards learning reward functions from user interactions. *ICTIR 2017*, 289–292.
- 6 Liu, X., Li, Z., Liu, J., Liu, L. & Zeng, X. (2015). Implementation of arithmetic operations with time-free spiking neural p systems. *IEEE transactions on nanobioscience*, 14(6), 617–624.
- 7 Liu, X., Li, Z., Suo, J., Liu, J. & Min, X. (2015). A uniform solution to integer factorization using time-free spiking neural p system. *Neural Computing and Applications*, 26(5), 1241–1247.
- 8 Liu, X., Li, Z., Suo, J., Ju, Y., Liu, J. & Zeng, X. (2014). Solving multidimensional 0-1 knapsack problem with time-free tissue p systems. *Journal of Applied Mathematics*.

## Internships

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05/2019 – 08/2019 📌 Deep Learning Group, Microsoft Research AI, Redmond

05/2020 – 08/2020 📌 Amazon Alexa, Seattle

## Education

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- 2016 – now    **PhD Candidate, University of Amsterdam, Netherlands**  
**Supervisor:** Prof. Dr. Maarten de Rijke  
**Co-Supervisor:** Dr. Julia Kiseleva  
**Research Topic:** Information Retrieval, Dialogue systems and Inverse Reinforcement Learning
- 2013 – 2016    **M.Sc. Computer Science, Xiamen University, China**  
**Supervisor:** Dr. Xiangrong Liu  
**Research Topic:** Membrane Computing, Bioinformatics  
**GPA:** 3.4/4.0  
**Thesis Title:** Research on Some Mathematical Problems Based on Time-free P Systems (9.2/10, Outstanding Master Thesis Title)
- 2009 – 2013    **B.Sc. Computer Science, Xiamen University, China**  
**GPA:** 3.6/4.0  
**Thesis Title:** Parameterization of Triangular Meshes (graded 8.9/10, Outstanding Bachelor Thesis Title)

## Awards and Achievements

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- 2014    **National Scholarship for outstanding Postgraduate students, China**
- 2015    **National Scholarship for outstanding Postgraduate students, China**

## Projects

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- 2013–2016    **National Natural Science Foundation of China: Research on Complicated Molecular Logic Circuits based on Nucleic Acid System (Grant Nos. 61472333)**  
**Responsibility:** Implementing the simulation of molecular circuit with *seesaw* gate
- National Natural Science Foundation of China: Spiking neural P systems based on molecular technology (Grant Nos. 61202011)**  
**Responsibility:** Applying time-free P systems to solve mathematical problems, such as multidimensional 0-1 Knapsack problem (MKP)

## Teaching Experience

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- TAing    **Information Retrieval I (2018), University of Amsterdam, Netherlands**

## Teaching Experience (continued)

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Supervision    📌 Two Master theses (2018), University of Amsterdam, Netherlands

- Title: *Cyclists' Route Choice in Amsterdam: Finding Factors of Influence and Predicting Cyclists' Route Choice*, with Chris Olberts
- Title: *How to measure a neighborhood: Exploring geo-spatial data enrichment and neighborhood embeddings for housing price prediction*, with Guus Bobeldijk

Two Master theses (2019), University of Amsterdam, Netherlands

- Title: *Text Classification for Ground Lease Documents*, with Rouel de Romas
- Title: *Predicting salary using Job posting data*, with Roma Bakhyshev

## Academic Activities

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Reviewing    📌 Reviewer for TOIS and IPM

Sub-reviewer for ECIR'18, SIGIR'18, CIKM'18, NAACL'19 and SIGIR'19

Summer School    📌 European Summer School in Information Retrieval 2017, Barcelona, Spain

## Skills

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Tools & Technologies    📌 Numpy, PyTorch, Tensorflow

Coding    📌 Python, C, L<sup>A</sup>T<sub>E</sub>X

## Languages

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Native    📌 Chinese

Professional working proficiency    📌 English