

XIAOCHANG LI

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EDUCATION BACKGROUND

East China Normal University, Shanghai

09/2018-Present

- Graduate student in Data Science and Engineering ranking(2/47), GPA: 87.6/100
- Member of ECNU-BAIDU Joint Laboratory on Computational Education
- Core courses: Machine Learning:95, Advanced Database System:97, Data Mining:89, Algorithm of Data Science and Engineering:85, Mathematical basis of Data Science and Engineering:89, and etc.

Zhejiang University of Technology, Zhejiang

09/2014-07/2018

- B.S. in Computer Science. GPA: 86.6/100, ranking(7/85), major GPA: 87.09/100
- Core courses: Design and Analysis of Algorithm:92, Computer Architecture:93, Principle and Application of Database System:96, Data Structure:89, Software Engineering:95, and etc.

Zhejiang University of Technology, Zhejiang

09/2015-07/2017

- Minor in Law. GPA: 85.6/100

RESEARCH EXPERIENCE

Manuscript

Xiaochang Li, Bei Chen, Xuesong Lu, Discovering Traveling Companions using Autoencoders, Journal of East China Normal University (Natural Science), 2020

Research

Chinese grammatical error correction

07/2020-Present, Shanghai

Leading Researcher, With Pigai.org, Under prof. Xuesong Lu

- Worked on Identifying and correcting Chinese grammatical errors with NLP algorithms.
- Led the group and leveraged BERT, n-gram, and confusion set to correct errors.
- Developed a Chinese grammatical error correction system for Pigai.org. (A leading Chinese company aimed to correct grammatical errors)

Discovering traveling companions with autoencoders

06/2019-05/2020, Shanghai

Assistant Researcher, Under prof. Xuesong Lu

- Solved the problem of discovering traveling companions among trajectory datasets.
- Initiated a Mean-Attn Autoencoder to discover spatiotemporally close trajectories effectively.
- Discovered more traveling companions with less time and achieved state-of-the-art performance compared with traditional and deep learning algorithms.

Generating compositions for students automatically

01/2019-10/2019, Shanghai

Assistant Researcher, with Baidu, Under prof. Xuesong Lu

- Addressed the problem of generating compositions with specific topic for primary students.
- Crawed thousands of compositions and used them to train MeanSum and fine-tuned GPT-2.
- Developed a composition generating system, now used by Baidu in their generating platform.

SCHOLARSHIP & HONORS

Academic Competition

- 2nd Prize of China Post-Graduate Mathematical Contest in Modeling at national level (13%) 09/2018
 - Responsible for partly model design and programed with Matlab and Python.
- 2nd Prize of Service Outsourcing Contest of ZJUT (15%) 09/2016

Scholarship

- honorary graduate of Zhejiang University of Technology (5%) 07/2018
- First-Class Scholarship for Excellent Student of ZJUT (2%) 09/2017
- Second-Class Scholarship for Excellent Student of ZJUT (8%) 09/2016 & 2015
- Zhejiang Provincial Government Scholarship (5%) 09/2016 & 2015

LEADERSHIP & VOLUNTEER EXPERIENCE

- Captain of basketball team of school of Data Science and Engineering 09/2019-12/2019
 - won the third prize of ECNU basketball competitions for the first time.
- Staff of alumni association of school of computer science and engineering at ZJUT 09/2014-09/2015
 - Helped to organize activities of school return day
 - Created digital magazine to propagate school activities.
- Senior staff of sports department of computer science and engineering at ZJUT 09/2014-09/2016
 - Helped to organize ZJUT yearly sport events.
 - Worked as a leader of cricket and helped team members to win the first place for several years.

SKILLS

- **Professional skills:**
 - Proficient in Pytorch and Python, C++.
 - Familiar with Tensorflow and Keras.
- **Language level:**
 - GRE: Verbal Reasoning: 160, Quantitative Reasoning: 168, Analytical Writing: 3.5.
- **Other Skill**
 - Skilled in LATEX, proficient in using github.
 - Willing to share knowledge through blog.