Zongtao Liu

E-mail: tomstream@zju.edu.cn

Mobile: (+86)17326080326 Homepage: <tomstream.github.io>

Room 301, ZeTong Building, Yuquan Campus, Zhejiang University, Hangzhou, China, 310027

# EDUCATION

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| **Zhejiang University** | *Aug. 2017 – present* |
| Master, Computer Science and Technology |  |
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| **Zhejiang University** | *Aug. 2013 – Jul. 2017* |
| Bachelor, Computer Science and Technology |  |
| * **GPA:** 88/100 * **Major GPA:** 89/100 * **Selected courses:** Data Structure(95), Advanced Data Structure and Algorithm Analysis(97), Computer Vision(97), Numerical Computing(97), Probability Theory(98), Principles of Compiler(92) | |

# PUBLICATIONS

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| 1. **Zongtao Liu,**Yang Yang, Wei Huang, Zhongyi Tang, Ning Li and Fei Wu. How Do Your Neighbors Disclose Your Information: Social-Aware Time Series Imputation. In *Proceedings of the Twenty-Eighth World Wide Web Conference* (WWW'19) |
| 1. Yang Yang, **Zongtao Liu**, Chenhao Tan, Fei Wu, Yueting Zhuang, and Yafeng Li. To Stay or to Leave: Churn Prediction for Urban Migrants in the Initial Period. In *Proceedings of the Twenty-Seventh World Wide Web Conference* (WWW’18). |
| 1. Yang Yang, Chenhao Tan, **Zongtao Liu**, Fei Wu, and Yueting Zhuang. Urban Dreams of Migrants: A Case Study of Migrant Integration in Shanghai. In *Proceedings of the 32th AAAI Conference on Artificial Intelligence* (AAAI’18). |

# Selected awards

Vmware Excellent Student Scholarship, 2018

Excellent Student Third-Class Scholarship, 2015-2016

Excellent Student Second-Class Scholarship, 2014

# Experiences

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| **Digital media Computing & Design Lab, Zhejiang University** | *Oct. 2016 – present* |
| *Research Assistant* |  |
| Advisor: *Prof.* [Yang Yang](http://yangy.org/) and [Fei Wu](https://person.zju.edu.cn/wufei) |  |
| * Proposed a uniformed framework to study the migrant integration in urbanization based on mobile communication networks and geographical information of locals and migrants, and formulate classification problems to predict whether a person is a migrant. (AAAI’18) * Investigated migrants’ behavior in their first weeks and how their behavior relates to early departure, and formulate a churn prediction problem to determine whether a migrant is going to leave based on his/her behavior in the first few days. (WWW’18) * Proposed and implemented a time series imputation method that is based on a sequential encoder-decoder-based neural networks with an attention mechanism to combine social context and temporal context. (WWW’19) | |
| **Dept. of Smart Power, State Grid** | *Mar. 2018 – present* |
| *Research Intern* |  |
| Manager: An Wen |  |
| * Implemented an algorithm for detecting abnormal data records with [EasyEnsemble](http://lamda.nju.edu.cn/code_EasyEnsemble.ashx?AspxAutoDetectCookieSupport=1) method, which is a decision tree-based machine learning model to handle label imbalance. * Proposed a LSTM-based time series prediction method by combining the information of daily features and time stamps. | |

# SKILLS

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| **Programming:** C/C++, Python (PyTorch), Matlab |
| **Language:** Chinese (native), English (**CET-6** Reading 232, Listening 190, Writing 154; **TOEFL** - Reading 22,Listening 25, Speaking 20, Writing 24; **GRE** – Verbal 152, Quant 170, Writing 3.5) |