



Education



Monash University
Ph.D. Candidate, Traffic Prediction & Analysis
2018 - Current



Southeast University
Master's Degree, Transportation Engineering
2015-2018 (Double Degree)
Activities: Road Maintenance System,
Mobile Payment in AFC



Monash University
Master's Degree, Transportation Systems
2015-2018 (Double Degree)
Activities: A member of the TUPA research team,
Data Science, Parking Problem



Inner Mongolia University of Science & Technology
Bachelor's Degree, Transportation Engineering
2010-2014

Publication

Wang, B. & Kim, I. (2018). Short-term prediction for bike-sharing service using machine learning. Transportation Research Procedia, Volume 34, 2018, Pages 171-178, ISSN 2352-1465. <https://doi.org/10.1016/j.trpro.2018.11.029>

Wang, B., Hua, L., & Kim, I. (2018). Social media application for illegal parking problem. In H. Wang, J. Sun, J. Lu, L. Zhang, Y. Zhang, & S. Fang (Eds.), CICTP 2017: Transportation Reform and Change - Equity, Inclusiveness, Sharing, and Innovation - Proceedings of the 17th COTA International Conference of Transportation Professionals (pp. 49-58). Reston VA USA: American Society of Civil Engineers. <https://doi.org/10.1061/9780784480915.006>

Work & Internship experience

2016/09 -- 2016/12 Suzhou Rail Transit (Internship)
Focus on the problem of mobile payment in AFC system and write corresponding standard document. From this internship, I got deeper understanding about AFC system working mechanism.

2014/03 -- 2014/09 Lean Work HK Limited.
Fullstack Developer. Code new features for Broker Work, Trader Work, Main Website from backend to frontend. Main technic & tools used: PHP, MySQL, Javascript, CSS, Html, Restful API, SVN

2010/09 -- 2014/06 Undergraduate Duration
A volunteer in NIC for network maintenance.
The leader of IT association.
The founder of Fighter Studio which push out new applications for Campus.
The technical leader of UULM community which is the biggest social network in campus network.

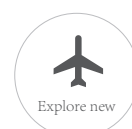
Skills

Python, PHP, JavaScript, MySQL, XHTML, CSS,
Word, Excel, Powerpoint, Visio, Photoshop
AutoCAD, Vissim, TransCAD
Keras, Tensorflow, Pandas, Pytorch

Projects experience (Online version)

- 2017.07
● **Data Analysis for Youon bike-sharing Company**
By the development of replay function, we can know the overall operation status at any time. I build models from RNNs & Decision Tree to predict the short-term available bikes in stations. It helps for bike rebalance between different stations.
- 2016.09
● **Parking Helper in WeChat**
The illegal parking is a main reason for the traffic jam. This app uses social media to collect illegal parking information from the public. I did all development works and an advertised video. Furthermore, this project on the list of financial budget 2017 of Suzhou Traffic Police Department.
- 2016.11
● **Online Map to CAD converter**
It's hard to draw a road network in CAD from scratch. So I wrote an online service for this problem. The core converter function is handled by PHP & Python, and the front-end is mainly based on Leaflet.JS. This service already converts hundreds CAD files for people.
- 2016.07 -
● **Road Maintenance System**
This is a project from my supervisor in SEU. It a big system for the construction sites. I wrote the functions for car locating, working track replay, and a WeChat Client. It helps people who work on road maintenance and adopted by a company in Jiangsu.
- 2015.12
● **Data Visualization of Suzhou**
This is also a data clean work if for Vissim project. It involved with coordinates conversion, mapping, R, and Javascript. I learned a lot of geographic information and data visualization.
- 2017.01
● **Website of ITS Research Center in SEU**
Redesign the old website with Uikit & Wordpress.
- 2015.12
● **Forexpress.hk**
This is a financial news platform. I wrote codes for both backend and frontend. New UI and smooth data transfer attract more users.
- 2015.12
● **WeChat Shopping Mall**
This is a personal project for people who want have a shop in WeChat. It supports mobile payment, orders printing, products management, user center etc. It used by some real shops for online business.
- 2015.06
● **Empire Subtitle Translation Groups**
Establish and organize a video subtitle group with friends. Responsible for website maintaining, video translation, subtitle making. Also develop a coordinating subtitle translation tool (PHP+MySQL+Youdao) for cooperative work. Our works were very hot on Hupu BBS.
- 2014.05
● **A Program for Traffic Flow Distribution (PHP)**
It a web application for the graduation project. It supports calculation of traffic distribution with a probability distribution algorithm.
- Before 2016
● **Other works:**
TUPA official website development;
Lean work official website maintenance;
Trader Work function development (membership system/Calendar & News collection);
WeChat assistant for campus development & operation;
Lulutang BBS development & operation, etc.

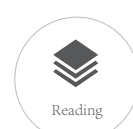
Interests



Explore new



Sports



Reading