

# Miss Lu FAN

44 Airong Road, Nanshan, Shenzhen, Guangdong, China 518000

<https://floatsdsds.github.io>

(+852) 60328976

float.hellowmr@gmail.com

## INTERESTS

Graph Mining, Social Networks, Recommender Systems, Image Processing

## EXPERIENCE

[CCCN](#), EE, CityU

SAR, Hongkong

Oct. 2017-Apr. 2018

Research Assistant

- Researching and analyzing an opinion dynamic model so-called Naming Game on adaptive networks.

[IVSN Group](#), ZJUT

Hangzhou, Zhejiang

Sep. 2016-Aug. 2017

Undergraduate Research

- Involved in 4 research projects including
  - Improved spectral clustering based on Node2vec features and personalized recommendation.
  - Thesis: Local recommendation framework based on geographical and categorical information.
  - Link prediction using supervised learning.
  - Rating prediction based on MLR and semantic analysis.

DJI Technology Co., Ltd

Shenzhen, Guangdong

Jul. 2016-Aug. 2016

Intern

- Developed and optimized the object detection, tracking and positioning algorithm, make it practical on the DJI Matrice 100 drone and won the bronze prize in the championship.

## PUBLICATIONS

Jinyin Chen, Yangyang Wu, **Lu Fan**, Xiang Lin, Haibin Zheng, Shanqing Yu and Qi Xuan.

IWCSN2017

Improved Spectral Clustering Collaborative Filtering with Node2Vec Technology. 2017

Chenbo Fu, Minghao Zhao, **Lu Fan**; Xinyi Chen; Jinyin Chen; Zhefu Wu; Yongxiang Xia;

IEEE TKDE

Qi Xuan. Link Weight Prediction Using Supervised Learning Methods and Its Application

Under Review

to Yelp Layered Network. 2017

Jinyin Chen, Yangyang Wu, **Lu Fan** and Qi Xuan. N2VSCDNNR: A Clustering

In Preparation

Recommender System Based on Node2vec and Rich Information Network. 2018

Yewei Yu, **Lu Fan**, Zhongyuan Ruan, Qi Xuan. Prediction of Restaurant Score Based on

In Preparation

Multiple Linear Regression. 2017

## EDUCATION

Information Engineering Department, Zhejiang University of Technology

Sep. 2013- Jun. 2017

Bachelor of Engineering

Grade GPA: 84.2/100

Rank: 17/119

Honors Department Outstanding Thesis 2017

Jun. 2017

ZJUT Third-class Scholarship

2013/14, 2015/16

## SKILLS

- Advanced in R
- Experienced in Matlab, C/C++, mySQL, Spark, OpenCV and Linux
- Experienced in Data Preprocessing, Exploratory Data Analysis, Implementing Machine Learning Solutions and Recommenders, Visualization
- Productivity Tools Seeker

## APPENDIX

<b>Individual Project</b>	▪ Extracted the MFCC and other three common audio features over 700+ bird song records. Developed an SVM classifier over 6 kinds of birds.	Mar. 2016 -Jun. 2016
	▪ Detected and tracked cars in video, count cars in flow and exam the speed of the vehicles, developed using Matlab and mean-shift algorithms.	Feb. 2016
<b>Eglish</b>	▪ Cet-6: 517, Toefl: 83, Speak fluent English.	
<b>Control Theroy &amp; Embedded System</b>	▪ Developed an oven temperature controller based on Cortex M4.	Jun. 2016
	▪ Developed a matlab user interface to visualize the performance of linear control model.	May. 2016
	▪ Developed a game application based on development board TM4C1294.	Sep. 2015
	▪ Tested five controller based on Matlab Simulink. Emulation based on GML2001 maglev levitation ball systems and wrote part of documents.	May. 2014 -Sep. 2015
<b>Habit</b>	▪ ZJUT Arial Radio Control Model Team Member, build and control owned drones and fixed wings, won the third prize in RC model control events, China Aeromodelling Design Challenge in Oct. 2015.	Mar. 2013 -Current
<b>Volunteer &amp; Organizational capability</b>	▪ Planned and Started the volunteer project of helping retired old to use modern high tech devices. Up to now it has become a long term project and services hundreds of times.	Jul. 2014
	▪ Planned and arranged two ZJUT eyas cup speech contest, one ZJUT Zongheng cup debate competition and multiple Volunteer activities.	Oct. 2013 -Jan. 2015