

Update on Oct. 8th

Chaoqi Yang

<http://chaoqiyang.com>

Room 201, East 1#, Shanghai Jiao Tong University, Shanghai, 200240, P.R.China

Phone: (+86)158-2118-8556

E-mail: ycqsjtu@gmail.com

EDUCATION

School of Cyber Security, Shanghai Jiao Tong University

Sep. 2015 - Present

GPA: 89.3/100 (3.83/4.3) Ranked: 9/101

TOEFL: 102 (R:29, L:27, S:22, W:24) GRE: 329+4.0 (V:159, Q:170, AW:4.0)

• Mathematical Analysis (96, Top 1%) • Linear Algebra (95, Top 5%) • Probability and Statistics (98, Top 1%)

PUBLICATIONS

[1] **Chaoqi Yang**, Qitian Wu, Xiaofeng Gao, Guihai Chen, "EPOC: Detecting Early Pattern of Outbreak Cascades in Social Networks". *The 29th International Conference on Database and Expert Systems Applications (DEXA)*, 2018

(Oral, Acceptance Rate 21.88%, 35/160)

[2] Qitian Wu, **Chaoqi Yang**, Hengrui Zhang, Xiaofeng Gao, Paul Weng, Guihai Chen, "Adversarial Training Model Unifying Feature Driven and Point Process Perspectives for Event Popularity Prediction". *The 27th ACM International Conference on Information and Knowledge Management (CIKM)*, 2018 (Oral, Acceptance Rate 17%, 147/862)

[3] Qitian Wu, **Chaoqi Yang**, Xiaofeng Gao, Peng He, Guihai Chen, "EPAB: Early Pattern Aware Bayesian Model for Social Content Popularity Prediction". *The 20th IEEE International Conference on Data Mining (ICDM)*, 2018

(Oral, Acceptance Rate 19.94%, 189/948)

ACADEMIC ACTIVITIES

- Attend and give **oral presentation** at *The 29th International Conference on Database and Expert System Applications (DEXA)*, September 3 – 6, 2018. University of Regensburg, Regensburg, Germany.
- (Appearing) Attend and give **oral presentation** at *The 27th ACM International Conference on Information and Knowledge Management (CIKM)*, October 22 – 25, 2018. Centro Congressi Lingotto, Turin, Italy.

RESEARCH EXPERIENCES

Topic 1: Cascade Popularity Prediction in Social Networks | SJTU & Tencent Inc.

July 2017 - June 2018

Advisor: **Xiaofeng Gao**, Associate Professor at Department of Computer Science and Engineering, SJTU

Co-advisor: **Peng He**, Senior Researcher of WeChat Business Division Data Center, Tencent Inc.

- Reviewed 60+ papers in social network popularity prediction.
- Explored and crawled data from Twitter, Weibo with API and filtered data sets for future use of our laboratory research
- [1] Employed survival theory, combining static and dynamic perspective to conduct cascade popularity prediction
- [2] Unified feature driven model and point process model in an adversarial training manner
- [3] Based on early pattern, using Bayesian structure learning to learn a novel popularity prediction model
- Conducted extensive experiments on Twitter, Weibo and WeChat comparing with six strong baselines, and achieved improvement of mean absolute percent error (MAPE) by 13.10%

Topic 2: Community Question Answering | University of Illinois at Urbana-Champaign

July. 2018 – Nov. 2018

Advisor: **Hari Sundaram**, Associate Professor at Department of Computer Science and Department of Advertising, UIUC

Partner: Kanika Narang & Adit Krishnan, PhD student at Department of Computer Science, UIUC

- Conducted data extraction and feature (total 35) preprocessing on 10+ dataset dumps from Stackexchange platform
- Reviewed 40+ papers in Community Question Answering and graph convolutional neural networks from top conf.
- Constructed different adjacency matrices for Graph Convolutional Network, encoding different neighbor relation
- Met with advisor daily or weekly, brain storming, discussed and debugged the error and results of the experiments

(Appearing) **Topic 3: Bidding Strategy for Advertising** | Tencent AI Lab, Beijing

Nov. 2018 – June. 2019

Advisor: **Research Scientists** in Tencent AI Lab, Tencent Social Ads.

- Reinforcement learning for advertising bidding strategy.

SELECTED PROJECT (codes and video demos are available in my GitHub <https://github.com/ycq091044>)

Wireless Remote Control & Web Design [\[Web\]](#) | Shanghai Jiao Tong University**Sep. 2016 – Feb. 2017****Advisor:** *Shiwen Zhang*, Senior Engineer at School of Electronic Information & Electrical Engineering, SJTU

- Implemented an Android App using bluetooth in Android Studio to control a small mechanical car wirelessly
- Realized four control modes with five slide pages: direction button, voice (iFly Speech API), gesture shift, gravity sensor (3D Gyroscope), and realized video transmission
- Created a website with a series of html files on a cloud server to represent my work
- Got an A+ in this project and win an honor to show it in the hallway

AWARDS & HONORS

- | | |
|---|------------------------|
| • Rong Chang Innovation Scholarship (Top 10 out of 914 in department) | 2018 |
| • Meritorious Winner Prize, Mathematics Contest in Modeling (MCM) (Top 8.88% among global participants) | 2018 |
| • National 1 st Prize, Chinese Mathematical Olympiad (Top 0.1% in Zhejiang Province, China) | 2014 |
| • Merit Student, Shanghai Jiao Tong University (twice, Top 5% in SJTU) | 2017 & 2018 |
| • Meng-Minwei Student Travel Grant Award | 2018 |
| • ACM SIGIR Student Travel Grant Award | 2018 |

SKILLS & INTERESTS

Techniques: C/C++, Matlab, Python, R, Highcharts, HTML, Latex (especially expertise in Matlab, Python and Latex)

Interests: Orienteering, Badminton, Table Tennis, Swim, Travel, Music