

# Chaoqi Yang

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## EDUCATION

### University of Illinois at Urbana-Champaign

*M.S. in Computer Science (Research Track, counted towards the Ph.D.)*

Illinois, USA

Aug 2019 - present

### Shanghai Jiao Tong University

*B.Eng. in Information Security, EECS*

Shanghai, China

Sep 2015 - Jul 2019

CGPA: 3.86/4.00 (5th among 97 students)

## PUBLICATIONS

- Kanika Narang, **Chaoqi Yang**, Adit Krishnan, Hari Sundaram, Junting Wang and Carolyn Sutter. "An Induced Multi-Relational Framework for Answer Selection in Community Question Answer Platforms", Under Review.
- **Chaoqi Yang**, Junwei Lu, Xiaofeng Gao, Haishan Liu, Qiong Chen and Gongshen Liu. "MoTiAC: Multi-objective Actor-Critics for Real-time Bidding in Display Advertising", Under Review.
- Junwei Lu, **Chaoqi Yang**, Xiaofeng Gao, Liubin Wang, Changcheng Li and Guihai Chen. "Reinforcement Learning with Sequential Information Clustering in Real-Time Bidding" accepted in International Conference on Information and Knowledge Management (CIKM 2019).
- Qitian Wu, **Chaoqi Yang**, Xiaofeng Gao, Peng He and Guihai Chen. "EPAB: Early Pattern Aware Bayesian Model for Social Content Popularity Prediction" accepted in International Conference on Data Mining (ICDM 2018).
- Qitian Wu, **Chaoqi Yang**, Hengrui Zhang, Xiaofeng Gao, Paul Weng and Guihai Chen. "Adversarial Training Model Unifying Feature Driven and Point Process Perspectives for Event Popularity Prediction." accepted in International Conference on Information and Knowledge Management (CIKM 2018).
- **Chaoqi Yang**, Qitian Wu, Xiaofeng Gao and Guihai Chen. "EPOC: a survival perspective Early Pattern detection model for Outbreak Cascades" accepted in International Conference on Database and Expert Systems Applications (DEXA 2018).

## RESEARCH EXPERIENCE

### University of Illinois at Urbana-Champaign

*Research Assistant, with Prof. Tarek Abdelzaher*

Illinois, USA

Aug 2019 - present

- We build tools to analyze and simulate how information propagation in social networks.

### Tencent, Ad Algorithm Group

*Research Intern, with Director Haishan Liu*

Beijing, China

Nov 2018 - Jun 2019

- We build multi-objective reinforcement learning framework for RTB problem.

### University of Illinois at Urbana-Champaign

*Research Intern, with Prof. Hari Sundaram*

Illinois, USA

Jul 2018 - Oct 2018

- We build induced multi-relational graph convolutional networks for CQA platform.

### Shanghai Jiao Tong University

*Research Assistant*

Shanghai, China

Apr 2017 - Jun 2018

- We design models base on point process to predict event popularity in social network.

## SELECTED SOFTWARE PROJECTS

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### Smart Automobile Control System

Sep 2016 - Feb 2017

- We design an automobile controller using Android Studio with Java, implementing 4 control modes: button, voice, gesture, gravity. Also we implement video transmission module.
- We web-design a homepage to present our system (it is a class project, and unfortunately after finishing the class, the engineer closed the server).
- I work as a leader and am in charge of the majority of coding and designing works.

## AWARDS AND ACHIEVEMENTS

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- China Computer Federation Outstanding Undergraduate Award (73 recipients nationwide) 2019
- Outstanding Graduates in Shanghai (42 recipients out of 800+ in EECS) 2019
- Top-10 Merit Students (10 recipients in University, 1 out of 800+ in EECS) 2018
- Rong Chang Science and Innovation Scholarship (20 out of 800+ in EECS) 2018
- ACM CIKM Travel Grant 2018
- Meng-Minwei Travel Grant 2018

## COMPETITIONS

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- Meritorious Winner, Mathematics Contest in Modeling (Top 8% globally) 2018
- 2nd Prize, Chinese Mathematics Competitions 2017
- 3rd Prize, China Undergraduate Physics Competition 2016
- 3rd Prize, Shing-Tung Yau High School Mathematics Awards (Top 5% in East, China) 2015
- 1st Prize, Chinese Mathematical Olympiad (Top 0.1% in Zhejiang, China) 2014

## MATH BASICS CREDIT

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- Mathematical Analysis I (91/100)
- Mathematical Analysis II (96/100)
- Linear Algebra (95/100)
- Probability and Statistics (98/100)
- Math. Foundation of Info. Security I (90/100)
- Math. Foundation of Info. Security II (96/100)
- Signals and System (96/100)
- Digital Signal Processing (94/100)

## REFERENCES

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- **Tarek F. Abdelzaher**  
Professor and Willett Faculty Scholar, Department of Computer Science  
University of Illinois at Urbana-Champaign  
<http://abdelzaher.cs.illinois.edu/>
- **Hari Sundaram**  
Associate Professor, Department of Computer Science and Department of Advertising  
University of Illinois at Urbana-Champaign  
<http://sundaram.cs.illinois.edu/>
- **Haishan Liu**  
Director of Ad Algorithm, Ad Algorithm Group  
Tencent Inc.  
<https://www.linkedin.com/in/haishanliu>