Chaoqi Yang

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EDUCATION

- **Shanghai Jiao Tong University (SJTU)**   **Shanghai, China**
  Bachelor of Engineering in Information Security, School of Cyber Security   *Sep. 2015 – Jul. 2019 (Expected)*
  - **Rank**: 5/97   **Major GPA:** 91.08/100 (3.86/4.00)   **GPA:** 89.34/100 (3.75/4.00)

- **University of Illinois at Urbana-Champaign (UIUC)**   **IL, USA**
  Visiting Student Researcher at DAIS Lab, Department of Computer Science   *Jul. 2018 – Oct. 2018*

RESEARCH INTERESTS

- **Data Mining:** social networks analysis, advertising
- **Artificial Intelligence:** deep learning, reinforcement learning

PUBLICATIONS

[1] **EPOC: Detecting Early Pattern of Outbreak Cascades in Social Networks**
Chaoqi Yang, Qitian Wu, Xiaofeng Gao, Guihai Chen. *The 29th International Conference on Database and Expert Systems Applications (DEXA).* (Oral, Acceptance Rate 21.88%, 35/160)

[2] **Adversarial Training Model Unifying Feature Driven and Point Process Perspectives for Event Popularity Prediction**
Qitian Wu, Chaoqi Yang, Hengrui Zhang, Xiaofeng Gao, Paul Weng, Guihai Chen. *The 27th International Conference on Information and Knowledge Management (CIKM).* (Oral, Acceptance Rate 17.00%, 147/862)

[3] **EPAB: Early Pattern Aware Beyesian Model for Social Content Popularity Prediction**
Qitian Wu, Chaoqi Yang, Xiaofeng Gao, Peng He, Guihai Chen. *The 20th IEEE International Conference on Data Mining (ICDM).* (Oral, Acceptance Rate 19.94%, 189/948)

SUBMISSION & WORKING

[1] **A Graph Convolutional Approach to Answer Selection in Community Question Answering**
Kanika Narang, Chaoqi Yang, Adit Krishnan, Hari Sundaram, Carolyn Sutter.
The 30th International Web Conference (WWW). (Under Review)

[2] **Using Multi-Task Learning Models for Click Through Rate and Conversion Rate Predictions**
Chaoqi Yang, Jiaxi Liu, Xiaofeng Gao, Guihai Chen. (Currently working)

RESEARCH EXPERIENCE

- **Reinforcement Learning for Bidding Strategy in Advertising**   **Tencent, Beijing, China**
  Undergraduate Researcher at Tencent AI Lab   *Nov. 2018 – Jun. 2019 (Expected)*

- **Graph Convolution for Answer Selection in Community QA**   **UIUC, IL, USA**
  Advisor: Hari Sundaram; **Co-worker:** Kanika Narang and Adit Krishnan   *Jul. 2018 – Nov. 2018*
  - Proposed induced-relation (contrastive, similar and reflexive) graph convolutional networks
  - Conducted extensive experiments on 5 tech and 5 non-tech Stackexchanges as well as 3 SubReddits
  - Improved Accuracy & MRR by 4.5% & 2% (16% & 7%) for Stackexchanges (SubReddits) respectively

- **Popularity Predicting for Official Account Articles in WeChat**   **Tencent, Shenzhen, China**
  Advisor: Peng He and Xiaofeng Gao   *Jan. 2018 – Jun. 2018*
  - Found three powerful inductive factors for cascade diffusion: *Influence, Attractiveness and Potentiality*
  - Proposed Bayesian structure learning for early pattern estimation of article popularity

- **Information Dissemination in Social Networks**   **SJTU, Shanghai, China**
  Advisor: Xiaofeng Gao and Guihai Chen   *Apr. 2017 – Jan. 2018*
  - Crawled data from Twitter, Weibo with API and filtered datasets for future use of laboratory research
  - Employed survival theory, combining static and dynamic perspective for cascade dissemination
  - Unified feature driven model and point process model in adversarial training

HONORS & SCHOLARSHIPS

- **SJTU Excellent Student Award** (Top 5%, SJTU)   *2016, 2017, 2018*
- **Top Ten Student Candidate** (Top 0.05%, Awarded to 25 Students in SJTU)   *2018*
- **Rong Chang Science Scholarship** (CNY ¥30,000. Awarded to 20 Student Scholars in SJTU)   *2018*
- **Huawei Scholarship** (Top 5% in Major, SJTU)   *2017*
- **Kwang-Hua Scholarship** (Top 5% in Major, SJTU)   *2016*

COMPETITIONS

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

STUDENT TRAVEL GRANT

- **Meng-Minwei Travel Grant** (CNY ¥15,000. DEXA'18 Conference, Regensburg, Germany)   *2018*
- **ACM SIGIR Travel Grant** (USD $1,000. CIKM'18 Conference, Turin, Italy)   *2018*
- **Visiting Scholar Travel Grant** (Research Intern at UIUC, IL, USA)   *2018*

SOFTWARE ENGINEERING

- **Smart Car Remote Controller** [Github]   **SJTU, Shanghai, China**
  Group Leader, codes and demos are available   *Sep. 2016 – Feb. 2017*
  - **Advisor**: *Dr. Shiwen Zhang*, Professor and Senior Engineer at SEIEE, Shanghai Jiao Tong University
  - Implemented an **Android** App using **Java, Socket, Bluetooth** to control a smart car wirelessly
  - Realized four control modes with monitor screen: direction button, voice (iFly Speech API), gesture shift, gravity sensor (3D Gyroscope), and realized video transmission
  - Created a website with series of **Html, JavaScript, Css** files on a cloud server to present work
  - Got an A+ in this project and won an honor to show to the public

SERVICES

- **ACM Member** (ID: 7074444), **IEEE Member** (ID: 95214155), **CCF Member** (ID: A0572G)
- **Reviewer:** IEEE Transactions on Network Science and Engineering (TNSE'18)
            Telecommunication Systems (TELS'18)
- **Lecturer** of Social Network Analysis in Winter Symposium, Advanced Network Lab, SJTU
- **Class Secretary** for F1503003, School of Electronic Information and Electrical Engineering, SJTU
- **Vice Monitor & Teacher Assistant in Math** for Class 17, Shaoxing No.1 Middle School

SKILLS & INTERESTS

Coding: Python, C/C++, Matlab   **Writing:** Latex, MarkDown   **Plotting:** Python, Highcharts, Visio
Language: TOEFL 102 (R:29, L:27, S:22, W:24), GRE 329+4.0 (V:159, Q:170, AW:4.0), Native Mandarin
Interests: Travel, Music, Sports (Orienteering, Badminton, Table Tennis, Swimming)