CHAO XU

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EDUCATION

Virginia Tech   Virginia, United States
PhD. in Computer Science   Aug. 2018 – Present
- Advisor: Prof. Gang Wang

Fudan University
Bachelor with Honor in School of Information Science and Technology   Sep. 2013 – June 2017
- GPA: 3.61/4.00
- Selected awards: Third Prize for Outstanding Students (2014, 2015), Sunny Healthy Stars (top 1% of 2000 Students, awarded to those with outstanding performance in University Physical Test)
- Selected to Elite Electrical Engineer Program (top 5% of 500 students, on the basis of outstanding research performance)

National University of Singapore   Singapore
Exchange Student   Jan. 2016 – May 2016
- Earned 12 course credits, GPA: 4.0/5.0
- Joined and researched in Professor Rui Zhang's Communications Research Group

PUBLICATIONS

1. Q. Gong, Y. Chen, X. Yu, **C. Xu**, Z. Guo, Y. Xiao, F. Ben Abdesslem, X. Wang, P. Hui "Exploring the Power of Social Hub Services", 2018, *Word Wide Web Journal*
2. Q. Gong, X. Yu, **C. Xu**, Z. Guo, Y. Chen, X. Wang "Leveraging the Potential of Social Hub Services", December 12, 2017, *CoNEXT'17 Student Workshop*

RESEARCH EXPERIENCE

Fudan University (Department of Computer Science)   Shanghai, China
Research Assistant to Professor Yang Chen   Nov. 2016 – Apr. 2018
Understanding the User Behavior in Online Social Networks
- Using Matrix Factorization and Clustering algorithms to classify users and shops on Dianping website and to study their distribution and characteristics, aiming to study urban planning and recommendation systems
- Leveraging potential of social hub services (SHS). Based on cross-links, an important function of SHS, aggregating users' profiles on several websites for further analysis and investigation into privacy issues. Cross-links also provide outstanding method for influential prediction, study of multi-layer social networks and further understanding of comprehensive influence across assorted online social networks

Fudan University (Department of Communications)   Shanghai, China
Research Assistant to Professor Yu Zhu   Sep. 2015 – Nov. 2016
Hybrid Beamforming Design for Lens MIMO
- Graduation thesis; Studied new lens-based MIMO system and used hybrid beamforming architecture to achieve capacity-optimal performance with low complexity and cost

WORK EXPERIENCE

Graduate Teaching Assistant   Virginia Tech
CS 1044: Intro Program in C   Aug. 2018 – Present

Financial Engineering Intern   Yaozhi Asset Management Co., LLP.
Participated in alpha strategy analysis. Realized short-term price-volume multi-factors model.   Apr. 2018 – Jul. 2018
Optimized backtest platform. Maintained portfolio management system.

ADDITIONAL INFORMATION

Interests
- International travel: visited seven countries
- Extreme sports: Scuba diving, Parachuting

Computer and Language Skills
- Coding: Matlab, Python, C, C++, Verilog, LaTex
- Software: Cadence, LTspice