

ZHIXUAN ZHOU

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RESEARCH INTERESTS

Human-Computer Interaction: social media research; usable security and privacy

Machine Learning: adversarial machine learning; machine learning applications in security

EDUCATION

University of Illinois at Urbana-Champaign, Champaign, IL August 2020 - Present
PhD in Information Sciences

· Advisor: Dr. Yang Wang

Wuhan University, Wuhan, China September 2016 - June 2020
BEng in Computer Science (with honors)

· Advisor: Dr. Chenliang Li

· Thesis: Rumor detection on social media using graph neural networks

RESEARCH EXPERIENCE

University of Maryland-College Park, College Park, MD August 2019 - October 2019
Research Assistant

· Advisor: Dr. Furong Huang

· Researched on certified defenses against adversarial examples

· Proposed a new certified defense using latent space encoding

Fudan University, Shanghai, China May 2019 - August 2019
Research Assistant

· Advisor: Dr. Xianghua Ding

· Researched on livestreaming and its impact on users' life

· Conducted user interviews to explore eating shows' role in daily life

· Conducted user interviews to explore how older adults use short video streaming platforms

University of Wisconsin-Madison, Madison, WI September 2018 - December 2018
Research Assistant

· Advisor: Dr. Justin Hsu

· Researched on adversarial examples in natural language processing

· Proposed attacks against fake news detectors

PROFESSIONAL EXPERIENCE

Tencent, Shenzhen, China April 2020 - Present
Research Intern

· Research focus: Machine Learning

· Detect misbehavior in games with machine learning models

Zall Research Institute of Smart Commerce, Wuhan, China April 2019 - June 2019
Research Intern

· Research focus: Machine Learning

· Proposed algorithms for B2B scenarios based on machine learning techniques

- Research focus: Human-Computer Interaction
- Examined human factors in rumor/fake news spread, Internet addiction and privacy leakage

AWARDS AND HONORS

Nominee of Hongyi Honor College (2 out of 1128, 0.18%) to run for Top 10 Students of Wuhan University, 2020

Outstanding Graduate (24 out of 121, 20%), Hongyi Honor College, Wuhan University, 2020

Graduates Committee Member, Hongyi Honor College, Wuhan University, 2020-Present

Honorable Mention Award in Mathematical Contest In Modeling (MCM) as Student Advisor, 2019

Outstanding Student Certificate, P&G, 2019

Academic Travel Grant (~\$1,000), Hongyi Honor College, Wuhan University, 2019

Special Overseas Scholarship (~\$14,000), Wuhan University, 2018-2019

Outstanding Student Award, Hongyi Honor College, Wuhan University, 2018

Freshman Scholarship, Wuhan University, 2016

PUBLICATIONS

- Huimin Zeng, **Zhixuan Zhou**, Jiahao Su, and Furong Huang, “Certified Defense of Adversarial Examples via Latent Space Encoding,” in preparation, 2020.
- **Zhixuan Zhou**, Xianghua Ding, Xinru Tang, and Yunan Chen, “Practical Integration of Foodshow into Everyday Life: A Study of Foodshow Watching on Video Sharing Platforms,” in submission to CSCW, 2020.
- Xinru Tang, Xianghua Ding, and **Zhixuan Zhou**, “Active Entertainment and Beyond: A Study of the Use of Short Video Platforms among Older Adults,” in submission to CSCW, 2020.
- Meghana Moorthy Bhat and **Zhixuan Zhou**, “Fake News Detection via NLP Becomes Harder,” in 14th Women in Machine Learning Workshop (WiML) co-located with NeurIPS, Vancouver, Canada, 2019.
- **Zhixuan Zhou**, Huankang Guan, Meghana Moorthy Bhat, and Justin Hsu, “Fake News Detection via NLP is Vulnerable to Adversarial Attacks,” in 11th International Conference on Agents and Artificial Intelligence (ICAART), Prague, Czech Republic, 2019.