ZHAOQI (ZACH) YANG

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PERSONAL STATEMENT

As a PhD student in Management Information Systems at the University of Arizona, I am open to research collaborations or research-oriented internships within academia and industry. With a diverse academic background in electronic and computer engineering, business administration, operations research, and management information systems, I am eager to apply my skills and knowledge to advance business outcomes. My current research interest is in large language models, particularly in addressing efficiency, fairness, and security issues through technical means and evaluating the impact of these improvements using behavioral methods.

EDUCATION

University of Arizona Tucson, USA
PhD in Management Information Systems Jan 2024 –

Columbia University New York, USA
MS in Operations Research Sep 2022 – Dec 2023

- GPA: 4.00/4.00

Tsinghua University Beijing, China
MS in Management Science and Engineering Aug 2021 – Dec 2023

- GPA: 3.90/4.00
- Selected awards: Tsinghua-Columbia Overseas Study Scholarship, Tsinghua Second-class Scholarship

BEng in Electronic Information Science and Technology (Major) Aug 2017 – Jun 2021

- GPA: 3.74/4.00
- Selected awards: Honor of Excellent Graduation Thesis (top 5% of the graduation thesis defense), Tsinghua First-class Scholarship (top 10%, awarded to those with outstanding academic performance and extracurricular activities)

BMgt in Business Administration (Minor) Sep 2018 – Jun 2021

- GPA: 3.67/4.00

PUBLICATIONS

1. **Yang, Z.**, & Liu, H. (2023, May). Staying or Leaving: A Knowledge-Enhanced User Simulator for Reinforcement Learning Based Short Video Recommendation. In *Pacific-Asia Conference on Knowledge Discovery and Data Mining* (pp. 387-399). Cham: Springer Nature Switzerland. https://link.springer.com/chapter/10.1007/978-3-031-33380-4_30
2. **Yang, Z.**, Du, J., Xia, Z., Jiang, C., Benslimane, A., & Ren, Y. (2021, December). Secure and cooperative target tracking via AUV swarm: A reinforcement learning approach. In *2021 IEEE Global Communications Conference (GLOBECOM)* (pp. 1-6). IEEE https://ieeexplore.ieee.org/abstract/document/9685323

WORKING PAPERS

1. Evolutionary Modeling Reveals that Value-oriented Knowledge Creation Behaviors Reinvent Jobs
2. Unbiased Short Video Recommendation with Censored User Feedback

SELECTED AWARDS AND HONORS

- University of Arizona Eller College Nunamaker Chen Scholarship (two PhD students per year) 2024
- Tsinghua Postgraduate Second-class Scholarship 2023
- Tsinghua - Columbia Overseas Study Scholarship (overseas study experience with GPA > 3.75) 2022
- Tsinghua Postgraduate Second-class Scholarship 2022
- Tsinghua EE Department: The Honor of Excellent Graduation Thesis (top 5%) 2021
- Tsinghua Four-star Volunteer (more than 150 hours of volunteering) 2021
- Tsinghua First-class Scholarship (top 10%, with outstanding academic and extracurricular performance) 2019
- Tsinghua First-class Scholarship (top 10%, with outstanding academic and extracurricular performance) 2018
- Tsinghua Outstanding Student Leader (1 among 256, awarded to those with outstanding social service). 2018