**Andy (Dandi) Zhao**

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| **Education**  |  | **Cornell University**, Ithaca, NY, USA­*Computing and Information Science*­Ph.D. student in Information Science  2020 - 2025 (expected)­­**University of Pittsburgh**, Pittsburgh, PA, USA­*School of Computing and Information*­Master of Science in Information Science 2017 - 2019 ("3+2" program)­­**Wuhan University**, Wuhan, Hubei, China­*School of Information Management*­Bachelor of Management in Library Science 2014 - 2018 ("3+2" program) |

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| **Relevant Courses**  |  | **Computer Science:** Machine Learning; Natural Language Processing; Artificial Intelligence; Data Mining; Advanced Database Management; Algorithm Design**Social & Tech:** Social Computing; Natural Experiment (Causal Inference); Empirical Methods in Research; Large-scale Social Phenomenon |

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| **Academic Works** |  | * Zhao, A., DeDeo, S., *Computational propaganda on social media where 404 Not Found: how Chinese political astroturf flooding on Twitter* (under review, <https://osf.io/preprints/socarxiv/6p53v>)
* *Reporting as a collective action: the institutionalized anti-smear campaigns in fandom* (work in progress)
* *Veracity, validity, velocity and coverage: how crowdsource fact-checking sites win over popularity in the battle against misinformation* (work in progress)­
* *Content moderation in our own neighbors: the dataset of Weibo community management center* (work in progress)
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| **Teaching Experience**  |  | **Programming:**­Proficient in Python, R­Experienced in MATLAB, Java, SQL, Cypher­­**Languages:** Fluent in Chinese (Mandarin); Proficient in English |

 |  | **INFO 2950: Introduction to Data Science** *– Prof. David Mimno at Cornell University*Teaching assistant in Fall 2020 |

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| **Work Experience**  |  | **Research Assistant** 7/2019 - 6/2020Department of Economics, Massachusetts Institute of Technology *Cambridge, MA* * ­­Worked on a project about bureaucracy and innovation, which was led by MIT Prof. Daron Acemoglu and Harvard Prof. David Yang
* Collected publication data from academic databases
* Collected leader data and bureaucracy data from university official websites
* Calculated the similarities between papers of different authors based on text and topics
* Analyzed the impact of leadership on topic changes in a difference-in-difference approach­

**Data Analyst Intern** 3/2019 - 8/2019Matters *Hong Kong (remote)* ­A startup trying to use blockchain to reshape social media* ­­Provided data-driven solutions to the problems from product team, operation team, and tech team
* Designed recommendation algorithms
* Designed ranking algorithms
* Offered development suggestions based on user behavior data­

**Data Analyst Intern** 7/2017 - 8/2017China Telecom *Chongqing, China* * ­­Assisted with user-based modeling for further service
* Evaluated the performance of a crawler and helped with the design process
* Joined department team in data analysis competition and won the champion­
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| **Project Experience**  |  | **Coursework: Artificial Intelligence for Bubble Breaker** 1/2019 - 4/2019This is a group course project for *Artificial Intelligence*, which is grad-level course offered by Prof. Daqing He at University of Pittsburgh* ­­Designed an intelligent agent in Python to play a special game called "Bubble". It's a complicated search problem but our solution won a full score­

**Coursework: A Study on Merit-based Immigration: Prediction of Employer-Sponsored Immigration Certification** 2/2018 - 4/2018This is a group course project for *Data Mining*, which is a grad-level course offered by Prof. Yu-Ru Lin at University of Pittsburgh* ­­Applied data mining skills and algorithms in R to analyze the visa data and made the prediction on whether an application can get certified in the future­

**Coursework: Identifying the event topics and participants' identities in collective action events through Chinese social media text**  2/2018 - 4/2018This is a personal course project for *Machine Learning*, which is a grad-level course offered by Prof. Milos Hauskrecht at University of Pittsburgh­­Applied deep learning and natural language processing in Python to classify different social posts from a highly skewed distribution and predicted the class label of the collective actions in posts |

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| **Specialized Skills**  |  | **Programming:**­Proficient in Python, R­Experienced in MATLAB, Java, SQL, Cypher­­**Languages:** Fluent in Chinese (Mandarin); Proficient in English |

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