**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) |
| |  |  |  | | --- | --- | --- | | **Teaching Experience** |  | **Programming:**  ­Proficient in Python, R  ­Experienced 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 - 6/2020  Department 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 - 8/2019  Matters *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 - 8/2017  China 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 |
| **Project Experience** |  | **Coursework: Artificial Intelligence for Bubble Breaker** 1/2019 - 4/2019  This 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 - 4/2018  This 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 - 4/2018  This is a personal course project for *Machine Learning*, which is a grad-level course offered by Prof. Milos Hauskrecht at University of Pittsburgh  ­­Applied 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, R  ­Experienced in MATLAB, Java, SQL, Cypher  ­  ­**Languages:**  Fluent in Chinese (Mandarin); Proficient in English |

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