

Peiyu Wang

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EDUCATION

University of California, Santa Cruz, Baskin School of Engineering, Santa Cruz, CA

Doctor of Philosophy in Computer Science

09/2023 - Present

George Washington University, School of Engineering and Applied Science, Washington, DC, **GPA: 3.9/4.0**

Master of Science in Data Analytics, Tracks: Systems Engineering & Computer Science 08/2018-05/2020

University of Delaware, Alfred Lerner Business College, Newark, DE (Dual Degree), **GPA: 3.95/4.0**

Bachelor of Science in Management Information Systems, Minor: Computer Science 08/2016-05/2018

Southwestern University of Finance and Economics, School of Economic Information Engineering, Chengdu, Sichuan, China (Dual Degree), **GPA: 3.8/5.0**

Bachelor of Business Administration in E-commerce

09/2014-05/2016

RESEARCH PROJECT

Computational Social Science Project on Misinformation on Social Media

09/2019 - 09/2020

- Crawled and queried over 5GB data from Twitter in JSON format and extracted over 180,000 unique users out of the datasets, then separated users into four categories based on criteria defined in previous research
- Extracted common words, top topics from tweets with LDA topic modeling and built logistic regression classifier with Gensim Doc2Vec. Explored the difference in the proportions of malicious URLs with Linear Regression and Logistic Regression, and analyzed the intent of spreading misinformation by user category

SELECTED HONORS & AWARDS

- Distinguished Senior Panel for Management Information Systems in 2018 (From University of Delaware)
- Distinguished Junior Panel for Management Information Systems in 2017 (From University of Delaware)

WORK EXPERIENCE

Member of Technical Staff – Java Engineer, VMware, Palo Alto, CA

06/2021–12/2024

- Participated in 2 organization-wide pattern changes and worked with staff engineers to modernize our code framework to facilitate the processing, storage and usage of our data
- Orchestrated and led the collaboration, implementation, and documentation of the new L7 App ID count increases project that brought in at least 5 million worth of contracts from multiple customers

Data Scientist Intern, Mid-Atlantic Permanente Medical Group, Rockville, MD

01/2020–07/2020

- Built a Natural Language Processing model from free text doctor notes to ICD-10 codes with SQL, Python, and Python Machine Learning packages which yielded an average AUC of 0.95 on testing set
- Audited and analyzed after-hour telephone clinic visit data and gave suggestions on how to staff the clinic and approaches to improve the effectiveness of after-hour telephone clinic visit to avoid follow-up visits

EXTRACURRICULAR ACTIVITY:

Data: Law, Policy and Regulation, The London School of Economics and Political Science 07/2022–09/2022