Yutong Wu

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EDUCATION

• **Rice University** — *August 2023 - Present*
Computer Science Ph.D. — Houston, TX
  ◦ GPA: 3.91/4.00
  ◦ Focus on Graph Machine Learning and the Intersection with Social Science

• **Rochester Institute of Technology** — *August 2019 - May 2023*
Computational Mathematics, B.S. — Rochester, NY
  ◦ GPA: 3.88/4.00
  ◦ Minor: Computer Science

RESEARCH EXPERIENCE

• **Large-scale Collective Dynamics in the Three Iterations of the Reddit r/place Experiment** *May 2023 - Present*
Data Analysis, Clustering, Graphs — []
  ◦ Submitted to WSDM'25
  ◦ Conducted a comprehensive characterization of the three iterations of the Reddit r/place experiment
  ◦ Studied user engagement, collaboration, and competition throughout the experiments at a large scale
  ◦ Clustered 16 million user updates in the 2017 experiment into attempted artworks over time by designing a dynamic clustering algorithm that combines user and visual features
  ◦ Discovered key factors of success in the experiment by comparing successful and failed artworks

• **Analysis of the Non-Fungible Token(NFT) Market** — *March 2022 - May 2022*
Data Analysis, Network Science
  ◦ Conducted data analysis on the NFT Market on the Internet with a focus on game NFT purchases
  ◦ Developed complex networks using over 2 million purchase data across multiple NFT platforms using Python
  ◦ Analyzed user's co-selling relationship using Power Law to discover the relationship between reselling purchases
  ◦ Designed and analyzed the relationship between users and game genres using community detection

WORK EXPERIENCE

• **Rice University** — *August 2024 -Present*
Teaching Assistant — Houston, TX
  ◦ Work as TA in COMP 614 - Programming for Data Science in Fall 2024
  ◦ Facilitate in-class discussion sessions weekly by answering students' questions, hold weekly office hours

• **Justice & Security Strategies []** — *September 2022 - November 2022*
Consultant — Remote
  ◦ Worked as a part-time contractor to analyze the turnout time of the vehicles of the Los Angeles Fire Department
  ◦ Took initiative in the project and performed data analysis using Python and Jupyter Notebook
  ◦ Produced evaluation results from the training data and compared the results with the testing data

• **Anchorage Digital []** — *May 2022 - August 2022*
Software Engineering Intern — Remote
  ◦ Worked in the Protocols team as a software engineering intern on implementing crypto assets into the ecosystem
  ◦ Scaffolded a tender mint-like blockchain using Ignite CLI that allows users to fund, transact, and check balances
  ◦ Configured and spun up the blockchain inside a Docker container using docker file and shell script

- Built features using Go and Protobuf to connect the blockchain and the services of the Anchorage ecosystem

- **Tencent [🌐]** *May 2021 - August 2021*
  Back-end Developer Intern Remote
  - Worked at the Nature Base(NBase) department on a communication app centered on group chats, mainly using Go
  - Worked closely with the Big Data team to help better analyze user behaviors
  - Improved the security of the app to prevent web crawlers from fetching private user data
  - Built a whitelist feature for special experiences to certain users by working closely with the front-end team

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