Janet Jiang

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EDUCATION

University of Michigan **Ann Arbor, MI**
B.S.E in Computer Science, Minor in Business *August 2020 - April 2024*

- GPA: 4.00 / 4.00
- Coursework: Data Structures and Algorithms, Intro to Computer Organization, Foundations of Computer Science, Computer Science Pragmatics, Discrete Mathematics, Linear Algebra, Multivariable Calculus
- Awards: Angell Scholar, University Honors, Dean's List

WORK EXPERIENCE

Renew CS **Ann Arbor, MI**
Peer Mentor *February 2022 - Present*

- Host discussion-based help sessions for female and non-binary students in introductory Computer Science courses, focusing on increasing retention and sense of belonging in the field
- Develop practice problems for topics such as natural deduction, proof by induction, recurrence relations, and counting and probability

Chinatown Literacy Project **New York City, NY**
Language Partner *October 2018 - May 2020*

- Taught Chinese immigrants how to read, write, and speak English, with an emphasis on conversational vocabulary
- Led discussions about current events and societal issues affecting Chinatown (e.g. gentrification, AAPI history) among advanced-level students

PROJECTS

Stock Market Simulation (C++)

- Implemented a Star Wars-themed stock market simulation and a streaming algorithm to determine the optimal points at which to buy and sell a commodity to achieve the highest profit margin

Relational Database (C++)

- Wrote a program to emulate a basic relational database with commands to create, manipulate, join, and remove tables in the database

Traveling Salesperson Problem (C++)

- Implemented a branch and bound algorithm to solve the Traveling Salesperson Problem, using the arbitrary insertion heuristic as a lower bound and Prim's MST Algorithm to prune branches

Piazza Post Classifier (C++)

- Used natural language processing and machine learning techniques to classify Piazza posts according to topic

K-Means Clustering (C++, MATLAB)

- Implemented a K-means clustering algorithm to graph and categorize a dataset of cars into clusters based on shared characteristics, and predicted the cluster to which a different set of cars would belong

ACTIVITIES

Eta Kappa Nu (Electrical Engineering and Computer Science Honor Society), *Electee* *September 2022 - Present*
Girls in Electrical Engineering and Computer Science, *Member* *September 2020 - Present*
Michigan Mars Rover Team, *Business Subteam Member* *September 2021 - May 2022*
Michigan Hackers, *Puzzles Subteam Member* *September 2020 - April 2021*

SKILLS

Proficient: C++
Familiar: Java, MATLAB, R