Mingxiao Song

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404-360-7972

Education

Georgia Institute of Technology

Bachelor of Science in Computer Science

May 2024 (Expected)

- GPA 4.0/4.0
- Related Courses

  Machine Learning, Artificial Intelligence, Data and Visual Analytics, Database, Statistics and Probability
- Member, Blockchain at Georgia Tech
- Member, Data Science at Georgia Tech
- Member, Astronomy Club

Programming Languages

- Python (proficient)
- Java (proficient)
- C (proficient)
- MYSQL (proficient)
- HTML, JavaScript, CSS

Skills & Interests

- Sklearn, Tensorflow, Pandas & Numpy
- Jupyter Notebook, Google Colab, Spark
- Reactjs, D3.js
- Microsoft Office Programs, Adobe
- Oral Presentation
- Academic Writing
- Visual Design & Photography
- Languages: English (TOEFL 112), Mandarin

Leadership

- **GTCSSA Tech Department**, Member
- **GTSI Volleyball Club**, Founder
- **ILRA Robot Club**, Founder
- **Botball Robot Competition**, Team Leader
- **High School Student Union**, Vice President
- **E-Family Mobile App**, Team Leader

Intern Experience

Research Assistant

Dalian Commodity Exchange

Futures Information Technology Innovation Lab

May 2021 - August 2021

- Identified hedging corporations with Machine Learning
- Presented utilization of AI in the futures market
- Practiced sample selection, feature construction, model training and accuracy evaluation
- Analyzed and visualized retail investor behavioral data
- Evaluated futures exchange fee
- Wrote a research paper about international futures market exchange fee standards

Academic Achievements

Art & AI Research

August 2021 - Present

- Generated posters with GAN and transfer learning
- Analyzed BigGAN & CLIP for text to image generation

AI-based Tools for Financial Market Investigation

Jan 2021 - August 2021

- Conducted financial market forecast with anomaly detection, RNN, and LSTM autoencoders
- Analyzed financial, volatility and momentum indicators
- Demonstrated large data analysis, preprocessing, cleaning, integration and denoising

Georgia Tech Ubicomp Group IMUTube

Jan 2021 - August 2021

- Developed user interface through Reactjs
- Supported automated conversion of human activity videos into streams of IMU data

Coding Generative Art, Pioneer Academic Program

June 2019 - Sept 2019

- Proposed Kmeans Clustering with Canopy for optimization
- Research paper nominated for publication by Pioneer
- Designed generative artwork with ML algorithms for the cover of the Focus Mathematics Magazine