Rich Jiang

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EDUCATION

Syracuse University   **Syracuse, NY**
Master of Science in Computer Science   Aug. 2020-Dec. 2021
Bachelor of Science in Computer Science   Aug. 2016-May 2020
Minor: Finance   GPA: 3.2
Awards/Scholarships: Deans List (Spring/Fall 2019), Graduate Studies Grant

WORK EXPERIENCE

Syracuse University - Professor Chilukuri K. Mohan   **Syracuse, NY**
Machine Learning Researcher   *May 2019 - Aug 2019*
- Founded research topic to predict future stock prices by applying machine learning (ML) sentiment analysis based on Twitter data
- Implemented libraries, packages, and frameworks such as Numpy, SciPy, Pandas, and Keras to create ML models
- Spearheaded development of machine learning models to predict stock prices of Apple
- Frequently reported results and progress to primary investigator to collaborate on solutions and further development
- Organized input datasets for machine learning models to achieve high prediction accuracy
- Assigned sentiment values with Natural Language Tool-Kit (NLTK) on Twitter data to use as input for ML models
- Created PowerPoints to communicate progress and results with research stakeholder such as primary investigator, department head, and other professors

Forte Capital Group   **New York, NY**
Analytical Intern   *Jun 2018 - Aug 2018*
- Highlighted key investment rationale points to direct supervisor by performing initial due diligence on late-stage private tech companies and publicly traded stocks via researching industry trends, competitors, and conducting financial analysis
- Communicated with thousands of high net-worth individuals resulting in a 10% increase in new investors
- Maintained a customer relationship database on 2000+ clients to manage relationships with existing clientele
- Prepared brief reports identifying broad market and geopolitical trends affecting broad indices to help advisors gauge intraday risk levels and evaluate areas of new opportunity

PROJECTS

Do It Ourselves (D.I.O)
- Collaborated with a team of three utilizing JavaScript/React to build a platform that organizes community projects for users to create or volunteer in
- Implemented account creation for users to either volunteer or create community projects
- Created a posting system where listings for projects will appear for users to read and partake
- Enabled search features to allow users to search for projects in local areas depending on the users' set range

NFL Data Bowl Kaggle Competition
- Collaborated with partner in creating a deep-learning model to accurately predict yards gained in each rush play
- Leveraged large data set of over 500,000 data points each with 48 features to train a model with 2,092,253 trainable parameters

TECHNICAL SKILLS

- Java
- Python
- C++
- TensorFlow/Keras
- NumPy, SciPy
- Pandas, NLTK
- Ruby
- HTML
- JavaScript/React
- SQL
- Data Mining
- Unix/Git

EXTRA-CURRICULAR ACTIVITIES

Entrepreneurship Club   **Syracuse, NY**
Member   *Sep. 2016 – Present*
- Attended weekly events where entrepreneurs presented on a variety of business models within the technology industry
- Communicated with founders to understand their perspective and experiences to tackle issues faced by start-up businesses
- Competed in business plan competitions with monetary prizes to fund student found businesses

Relevant Classes and Certifications

Deep Learning (CSE 418) / Data Structures (CIS 351) / Evolutionary Machine Learning (CIS 400) / Design Operating Systems (CSE 486) / Neural Networks and Deep Learning (Coursera) / Algorithmic Trading (Algo Trading 101)