Jason Wong

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EDUCATION

Cornell University | **Ithaca, New York**   Expected Graduation June 2021
B.S. Applied Economics and Management   Major GPA: 3.95
Minor in Computer Science   Total GPA: 3.90

WORK EXPERIENCE

Cornell University | Technical Lead/Co-Author | Jura Liaukonyte/Jorn Boehnke   May 2019 - Present
- Conducting Natural Language Processing research on product reviews, contributing to consumer pricing research.
- Utilized Tensorflow, Word2Vec + KMeans, Doc2vec, FastText, ect. to test different embeddings on Amazon reviews.
- Work presented by advisors at various applied ML conferences and interest groups, including Harvard CMSA.

Cornell University | Software Development Research Intern | Aija Leiponen   September 2018 - Present
- Scraped, analyzed, and built visualization models pertaining to patent holding companies & patent assertion entities, helping to conduct a study on whether patent hoarding is detrimental to economic innovation.
- Expedited and automated a semester long data collection process (120,000 data points) to 2 weeks.
- Conducting research on data privacy trends and data strategy across various industries.

Cornell University | Software Development Research Intern | David Ng   October 2018 - May 2019
- Trained a machine learning (Naive Bayes) model to classify and parse through business reports.
- This model will give us a binary estimate on whether the language in the reports indicate an effect on earnings through climate change. Also implemented various naive fail-safes within this model to increase accuracy.

Notita (Project Group) | Creator   February 2019 - May 2019
- Aggregate and source live financial/market data to provide dashboard services and a data pipeline for traders.
- Develop and backtest algorithmic trading strategies primarily based on academic research findings.

Milpitas City Hall | Intern   Jan 2017 – May 2018
- Collected and analyzed qualitative survey data, which was then used to forecast and brainstorm different solutions and problems. Developed and helped pass a permit system for limited parking in a residential area.
- Analyzed Milpitas city budget expenditures and reported principal data to the mayor.
- Organized with Rich Tran (Mayor of Milpitas) on town halls and community outreach projects.

ACTIVITIES AND PERSONAL PROJECTS

Madden Coin Shop
- Monopolized game collectibles by monitoring market data and identified trends in supply and demand, uncovering opportunities in a rapidly changing virtual game environment.
- Utilized Bootstrap and jQuery frameworks to create a virtual collectable store, netting ~$4,000 in profit.
- Sourced potential customers through social media and negotiated charges with customers.
- Implemented a semi-automatic goods delivery system with PayPal and Google Sheets.

Triangular Arbitrage Cryptocurrency Bot
- Attempted to exploit inefficiencies in smaller cryptocurrency exchanges through a triangular arbitrage strategy.
- Used python and numpy to test trading theory and concluded that there was already overcrowdedness in the market, so the strategy was inefficient.

NBA Analysis
- Implemented Scrapy and Selenium frameworks to scrape recent sports data from NBA's website and used analytics (matplotlib, pandas, numpy) to understand and visualize the advanced statistics.
- Constructed a hustle index per game statistic by aggregating various statistics indicating effort.

Chess for Kids | Program Creator/Director
- Coordinated with library officials and volunteers to create a walk in chess program for K-8 children.
- Focused classes on strategy, logic, piece value, board control, and good sportsmanship.

TECHNICAL SKILLS AND INTERESTS

Programming: Python (Advanced) · Java (Intermediate) · Javascript (Familiar)
Web/Media: HTML · CSS · Flask · jQuery · Bootstrap
Analytics: SQL · Matplotlib · Numpy · Pandas · Seaborn · Plotly · Excel · Scikit-Learn · A/B Testing · Google Analytics
Awards: Dyson Diversity Scholar (1st Generation Student) · Dorchester Collection Case Finalist (ML for the Hotel Industry)
Hobbies: Philosophy · Catan · 49ers (NFL) · Warriors (NBA) · Writing · Chess · Baduk · Cooking · Kaggle · Poker