

# Jason Wong

My Story: [jasonwonton.github.io](https://jasonwonton.github.io)

*I hope to be the bridge between business and data.*

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## EDUCATION

**Cornell University | Ithaca, New York**  
B.S. Applied Economics and Management  
Minor in Computer Science

Expected Graduation June 2020  
Major GPA: 3.95  
Total GPA: 3.90

## WORK EXPERIENCE

- Cornell University | Undergraduate Research Assistant | Jura Liaukonyte** May 2019 - Present
- Conducting Natural Language Processing research on product reviews, contributing to consumer pricing research.
  - Utilizing vectors of words to extract features and similarities within Amazon review corpuses.
- Notita (Project Group) | Creator** February 2019 - Present
- 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.
- Cornell University | Undergraduate Research Assistant | 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 probability estimate on whether the language in the reports indicate an effect on earnings through climate change. Also implemented various fail-safes within this model to increase accuracy.
- Cornell University | Undergraduate Researcher | Aija Leiponen** September 2018 - Present
- Scraped, analyzed, and helped build 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 across various industries.
- 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) · Dorchester Collection Case Finalist

**Hobbies:** Philosophy · Catan · 49ers (NFL) · Warriors (NBA) · Writing · Chess · Baduk · Cooking · Kaggle · Poker