

# Jason Wong

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

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## EDUCATION

**Cornell University | Ithaca, New York**

*Expected June 2021*

**Masters of Engineering** - Computer Science

**Bachelors of Science** - Applied Economics, Minor in Computer Science

**Cumulative GPA: 3.94**

Coursework: Data Structures and Algorithms (Java); Data Mining and Machine Learning (R); Computational Linguistics; Data-Driven Web Apps; Databases (SQL); Systems (C); Risk Simulation & Monte Carlo; Artificial Intelligence; Graphics

## WORK EXPERIENCE

**Roblox | Product Manager | Trust and Safety**

*June 2020 - Aug 2020*

- Wrote specifications for image, audio, abuse reporting, and Roblox model (3D shapes in game) moderation.
- Tested various pretrained models - Open\_NSFW (Yahoo) and NudeNet on photos from Reddit and a gore website.
- Gathered validation data from various databases and stakeholders to push for projects onto production.

**Cornell University | Graduate Teaching Assistant**

*December 2019 - May 2020*

- Lead office hours and grade problem sets for AEM 6061 (graduate level) - Risk Simulation & Monte Carlo Methods.

**Cornell University | Technical Lead | 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, StanfordNLP, ect to test Amazon review embeddings.
- Work presented by advisors at various applied ML conferences and interest groups, including [Harvard CMSA](#).

**Cornell University | Software Developer | Aija Leiponen**

*September 2018 - Jan 2020*

- 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 Developer | 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.

## ACTIVITIES AND PERSONAL PROJECTS

**Kaggle**

- Playing with various frameworks and ideas in NLP and image classification. Experience with Unix and CUDA.

**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.

**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) · C (Exposure) · R (Exposure)

**Web/Media:** HTML · CSS · jQuery · Bootstrap · MongoDB · Angular · Express · Node.js

**Analytics/Data:** SQL · Scikit-Learn · Tensorflow · Keras · A/B Testing · Google Analytics · Excel · Pandas

**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 · Poker