

Jason Wong

My Story: jasonwonton.github.io

jw2377@cornell.edu | (408) 824-0923 | 1446 Saratoga Dr, Milpitas, CA 95035 | [linkedin.com/in/jasonwonton](https://www.linkedin.com/in/jasonwonton)

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 (JS); 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