

# Xiaoxiang (Max) Ma

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## EDUCATION

### Cornell University

Ithaca, NY

B.S. in Information Science (Data Science Concentration)

Anticipated Dec 2020

M.Eng in Operation Research and Information Engineering

Anticipated Dec 2021

- Major GPA: 3.93 | Cumulative GPA: 3.68
- Relevant Courses: Machine Learning for Intelligent Systems | Natural Language Processing | Data Analytics for Information Science | Data-driven Web Applications | Text Mining in History and Literature | OOP and Data Structures

## SKILLS

- Programming - Expert: Python, SQL Proficient: SAS, Java, JavaScript, R
- Tools - Expert: Sklearn, Keras, Pandas, NumPy, statsmodel, SciPy. Proficient: Tensorflow
- Software: Jupyter notebook, VS Code, Excel.
- Languages: English (Native), Mandarin (Native).

## PROFESSIONAL EXPERIENCE

### YesilScience

Ithaca, NY

Data Science Intern (Remote)

May 2020 – Aug 2020

- Developed a symptom checker reinforcement learning infrastructure using markov decision processes and deep Q neural network.
- Conducted competitor analysis through scraping Appstore/Google Play reviews to discover and evaluate popular features and pain-points of existing telehealth apps.
- Developed sentiment analysis through NLP on digital health tweets within the past five years to observe changes in impression of telehealth/digital health.

### Marhub

Ithaca, NY

Data Analyst (Remote)

Jan 2020 – Aug 2020

- Redesigned vulnerability screening classification model through statistical analysis.
- Implemented logistic regression and random forests models to identify vulnerable refugees.
- Redesigned data infrastructure and communicated cross-functionally to ensure collection standardization.

### iFRE

Beijing, China

Data Analyst Intern

Jun 2019 – Aug 2019

- Trained borrower classifier for People's Bank of China using logistic regression and flagged more than 80% of defaulted borrowers during testing phase.
- Performed variable selection for a credit risk scorecard model using entropy and information value.
- Evaluated the performance of Alipay's scorecard model and presented visualization, KS test, and AUC.

## INDEPENDENT RESEARCH

### Predicting Startup Longevity

Ithaca, NY

Independent project

February 2020 – May 2020

- Identified key indicators of longevity for US based startups using data collected from angelist.co.
- Published an [article](#) on towardsdatascience.com featured as top story for 2 days with 9k+ views cumulated.

## PROJECT TEAMS

### Cornell Baja Racing

Ithaca, NY

Ergonomics engineer

September 2018 – May 2019

- Collaborated with two designers to manufacture body panels, seat, and steering wheel for the Baja vehicle.
- Machined molds, parts, and composite materials of the competition vehicle.
- Competed in the 2019 California BAJA competition and won #1 in endurance.