

# Xiaoxiang (Max) Ma

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## EDUCATION

### Cornell University

Ithaca, NY

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

*M.Eng in Operation Research and Information Engineering*

*Anticipated December 2021*

- Major GPA: 3.8 | Cumulative GPA: 3.68
- Relevant Courses: Machine Learning for Intelligent Systems | Data Analytics for Information Science | Data-driven Web Applications | Text Mining in History and Literature | OOP and Data Structures

## SKILLS

- Programming: Python, SQL, SAS, Java, JavaScript, Keras, Sklearn, Tensorflow.
- Software: VS Code, Jupyter notebook, Excel.
- Languages: English, Mandarin.

## PROFESSIONAL EXPERIENCE

### YesilScience

Ithaca, NY

*Data Science Intern (Remote)*

*May 2020 – Aug 2020*

- Develop a symptom checker reinforcement learning infrastructure using markov decision processes and deep Q neural network.
- Conduct competitor analysis through scraping Appstore/Google Play reviews to discover and evaluate popular features and pain-points of existing telehealth apps.
- Perform sentiment analysis on digital health related tweets throughout 2015 to 2020 to observe changes in impression of telehealth/digital health.

### Marhub

Ithaca, NY

*Data Analyst Intern (Remote)*

*Jan 2020 – Aug 2020*

- Led a team of two data interns to improve accuracy of refugees' vulnerability screening through machine learning using chatbot data, survey data, and demographic data.
- Design logistic regression and random forests models to identify vulnerable refugees and update models to a rolling data source.
- Re-designed data infrastructure and communicated cross-functionally to ensure format standardization of future data collection.

### iFRE

Beijing, China

*Data Analyst Intern*

*Jun 2019 – Aug 2019*

- Performed variable selection for a credit risk scorecard model using entropy and information value for China Foreign Economy and Trade Trust Co.
- Trained P2P borrower classifier for People's Bank of China using logistic regression and flagged more than 80% of defaulted borrowers during testing phase.
- Evaluated the performance of Alipay's scorecard model and presented visualization, KS test, and ROC curve.

## PROJECT EXPERIENCE

### NSF: Toward a More Reflective Approach to 3D Model Building

Ithaca, NY

*Research Assistant*

*May 2018 – Feb 2019*

- Produced scripts that map extruder movements to G-code commands for 3D-printer using Python.
- Adaptively learned C and Teensyduino and debugged hardware integration and mechanical errors.

## CAMPUS ACTIVITIES

### Cornell Badminton Team

Ithaca, NY

*Men's Singles Player / Men's Doubles Player representing Cornell*

*Sept 2017 – Present*

- 2019 YONEX Eastern Collegiate Team division 1B Champion
- 2018 Rochester Open MD 2<sup>nd</sup> place | 2019 Crystal City MS 1<sup>st</sup> place | 2020 Crystal City XD 2<sup>nd</sup> place