

Yujing Song

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EDUCATION

Columbia University, New York, NY

Expected Dec 2020

Master of Science in Data Science

Relevant Courses: Algorithms for Data Science, Exploratory Data Analysis and Visualizations

University of Minnesota, Morris (UMM), Morris, MN

May 2019

Bachelor of Arts in Statistics, Bachelor of Arts in Computer Science Overall GPA: 3.7/4.0

Notable Achievements: A. Amos McCree Scholarship, Dian and Andy Lopez Scholarship, Dean's List in 2015 - 2018

ANALYTICAL TEACHING EXPERIENCE AT UMM

Teaching Assistant, Statistics

Jan 2016 – May 2019

Teaching Assistant, Economics

Aug 2016 – May 2017

ACADEMIC PROJECTS AT UMM

5,000 IMDb Movie Analysis

May 2018 – May 2019

- Analyzed factors influencing film quality using 5,000 data elements recorded by IMDb
- Created statistical models and data visualizations to support these results

Single Image Super-Resolution (SISR)

Aug 2018 – Dec 2018

- Analyzed SISR processes by using convolutional neural networks and generative adversarial networks
- Wrote *Single Image Super-Resolution*, which received an Award of Distinction and was recommended for publication in *Scholarly Horizons* (the UMM undergraduate research journal) by the Computer Science Faculty, and which was based on research findings

Solar Energy Usage at UMM

Jan 2017 – Dec 2018

- Collected two years' of campus solar energy data from eGauge
- Built statistical models to predict production of on-campus solar energy
- Organized research meetings to devise a weekly research plan
- Co-authored *UMM: Power Monitoring and Prediction Software*, which was presented at the Midwest Instruction and Computing Symposium (MICS) and at the 2018 Undergraduate Research Symposium (URS)

Sunshine Journal Application

Jan 2018 – May 2018

- Designed, built, and analyzed a patient mood-tracking application for a local hospital
- Stored patient mood information in a Mango database and created summary charts using Chart.js
- Utilized filters to represent moods and relevant dates while optimizing the website using Angular2 and Typescript
- Managed contact with customers and ran Agile development meetings using ZenHub
- Performed end-to-end testing throughout the development process and demonstrated the app to customers

Mushroom Deep Learning

Jan 2018 – May 2018

- Constructed a classification tree using R to determine whether a particular type of mushroom is edible
- Supported comparable models through the use of the Naïve Bayes Model and support-vector machines

SKILLS

Technology: R, MySQL, Python, Java, JavaScript; CSS, HTML, Angular, Microsoft Suite

Language: Mandarin (Native), Japanese (Conversational)

Leadership: Midwest Undergraduate Data Analytics Competition Team Captain (Apr 2018), Midwest Undergraduate Data Analytics Competition (Apr 2017), UMM International Student Liaison (May 2017 – May 2018), UMM Community Advisor (May 2016 – May 2017)

WEBSITES

Portfolio: <https://github.com/YujingSong/Personal-Portfolios>

LinkedIn: <https://www.linkedin.com/in/yujing-song-09440813a/>