

# MATTHEW ALESSI RUFFNER

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## EDUCATION

### The University of Texas at Austin

May 2021

Master of Science, Business Analytics

- Overall GPA: 3.86

*Coursework:* Adv Predictive Modeling, Learning Structures & Time Series, Text Analysis, Data Analytics Programming, Decision Analysis, Financial Management, Cognitive Computing, Supply Chain Analytics, Blockchain, Optimization

### University of Wisconsin-Madison

May 2020

Bachelor of Science, Astronomy-Physics and Physics

Certificate, Mathematics

- Overall GPA: 3.2; Major GPA: 3.4

## EXPERIENCE

### Ankura – Analytics and Data Strategy Associate; New York, NY

June 2021 – Present

- Provided data analysis expertise for high-profile litigation cases as well as various internal projects
- Learned C# and implemented a multithreading process that decreased data load times for half a petabyte of data
- Streamlined manual data conversion by building out a workflow utilizing a combination of Alteryx and SQL scripts
- Generated market research findings for data & technology business development. Results sent directly to the CEO
- Converted thousands of bank statement PDFs into free form text using various OCR programs. Leveraged regular expressions and text parsing techniques to output a ledger of transactions into a single workbook
- Assisted colleagues in python programming, participated in corporate recruiting, organized team social events

### Vestergaard – SmartNet Initiative Intern; Lausanne, Switzerland (remote intern)

November 2020 – May 2021

- Performed data analytics in support of malaria net use optimization effort. Cleaned proprietary datasets, created findings reports including data visualizations and analyses. Collaborated on interpretation of results

## TECHNICAL PROJECTS

### Business Analytics Capstone

- Collaborating with Dell to standardize specific services to increase efficiency of the team working with clients. Leveraging NLP to perform text analyses to make recommendations to Dell

### Drivendata Competition

- Participated in the Richter's Predictor competition. Developed model, correctly predicted damage grade 75.04% of the time, performed in the top 1.6% of all models. <https://shakirahola5.medium.com/richter-predictor-72aaa300b44>

### Humana Case Competition

- Created a model, as part of a three-person team, using patient data to accurately predict whether a patient would have a certain medical condition. Detailed results and analysis in a 24-page report

### Sports Analytics

- Analyzed soccer match event data with Python to identify impact players generating consistent scoring chances and to predict outcomes based on specific build-up play. Visualized results using sklearn library

### Astronomical Research

- Studied light reflecting off of interstellar objects, such as interstellar dust, distant from source of emitting light and compiled data to pinpoint object location, contributed to Department Chair research

## LEADERSHIP EXPERIENCE AND ACTIVITIES

### UW Astronomy Club – Treasurer (Fall 2019 – Spring 2020)

Fall 2017 – Spring 2020

- Prepared club meetings, arranged for distinguished speakers to speak, managed member funds and coordinated with club advisors to gain funding for events, trips, and food
- Organized outreach events and presented in front of classes to boost club awareness and increase attendance by 15%

## HONORS

- Recipient of the Master of Science distinguished scholarship

Summer 2020 – Spring 2021

## ADDITIONAL INFORMATION

**Computer Languages:** R, Python, SQL, SAS, C#

**Computer Skills:** TensorFlow/PyTorch, computer vision, time series analysis, NLP, Alteryx, Tableau, OCR, MS office

**Languages:** English (Native), French (Fluent)

**Interests:** Basketball, chess, acoustic guitar, personal fitness, reading, music, movies, stargazing

**Work Eligibility:** U.S. citizen, eligible to work in the U.S. with no restrictions