**Matthew Alessi Ruffner**

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**EDUCATION**

**The University of Texas at Austin** May 2021

Master of Science, Business Analytics

* Current 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