

ANDREW G. ARGEROS

Dedicated and driven current undergraduate student with a passion for statistical, analytical, and data driven approaches to modern issues. Enjoys problem solving through data driven thinking and computational methods.

Skilled in applications of R, SQL, and Python. Avid presenter at national data science competitions. Looking to gain experience in the corporate sector and to further skills in machine learning at scale.

EDUCATION

2022
(exp.)
|
2018

- **B.S. Computational Data Science; B.B.A. Business Analytics; Minor in Economics**
Hamline University St. Paul, MN

- Advisors: Dr. Stacie Bosley and Dr. Andy Rundquist
- President's Scholarship Recipient & Heim Scholar
- NCAA Varsity Athlete: Men's Tennis

2018
|
2014

- **High School Diploma**
Coon Rapids High School Coon Rapids, MN

- Graduated with Honors
- Two time AP Scholar with Distinction

RESEARCH EXPERIENCE

Current
|
2020

- **Research Assistant to the Dean**
Hamline University School of Business St. Paul, MN

- Hired in 2020 for ad hoc data science needs in the Hamline Business School. Responsibilities include working closely with Dean McCarthy, Support Staff, and Faculty to effectively manage and deploy analytics and data science projects.
- Student Analytics Director of DAC @ Hamline high school data analytics competition.

2020
|
2019

- **Research Assistant to Dr. Eric Hammer**
Hamline University School of Business St. Paul, MN

- Analyzed modifications to inputs of Hawk/Dove game theory model through use of agent based simulation modeling.
- Planned collaboration on a project studying cultures' proverbs and "pop-culture" on voting behavior. Based on the work of Michalopoulos and Xue (2017) on the effects of folklore on rational voting theory.

View this CV online with links at andrewargeros.com/cv

CONTACT

📞 (763) 222-7598

✉️ aargeros01@hamline.edu



andrew@andrewargeros.com

🌐 /andrewargeros

🌐 andrewargeros.com

in /in/andrewargeros

LANGUAGE SKILLS

R

SQL

Python

Javascript

Julia

Spanish

Greek

Made with the R package
pagedown.

References are available upon
request.

Last updated on 2021-02-17.



INDUSTRY EXPERIENCE

Current
|
2020

• Data Science Intern

ExceleraRx LLC - Shields Health Solutions

📍 Minneapolis, MN

- Currently directing and implementing at-scale analytics and production grade machine learning systems affecting major health systems, pharmaceutical manufacturers, payers, and pharmacies in the realm of specialty pharmacy.
- Built machine learning systems to identify patients at risk for inadherence in subpopulations of metastatic breast cancer and hepatitis C patients. Currently in production at several national health systems.
- Built a production string matching system using Zero Shot Natural Language Processing to match raw prescription text to analyzable data using serverless computing systems.

2021
|
2020

• Consultant Data Scientist

Economic Development Company of Lancaster County

📍 Lancaster, PA

- Used advanced Natural Language Processing (NLP) and Computer Vision (CV) methods to analyze real-estate trends within the county. Lead a research project to be presented to developers and realtors within the county.

2020
|
2019

• Consultant Data Scientist

Minnesota Hospital Association

📍 St. Paul, MN

- Analyzed workforce data on MHA's members for the association's annual workforce review.

2020
|
2019

• Planning Department Intern

Northwestern Mutual

📍 Minneapolis, MN

- Worked on a team of six to analyze and manage the financial portfolios of more than two thousand clients across the country. Oversaw a client's investment process from onboarding through investment and rebalancing.
- Built a system using R and Shiny to effectively manage the department's invoicing system.



DATA SCIENCE PROJECTS

- 2020

Optimizing New York City's Housing¹

BAC @ MC 2020

New York City, NY

 - Used multiple geospatial analysis (GIS) and dimension reduction techniques to find an optimization for affordable homeownership in the city. Developed a system to increase citywide homeownership by over 250% of status quo.
 - Conference cancelled due to COVID-19 Pandemic.

- 2020

MLB Team Success: Offense vs. Defense²

The Federal Reserve Bank of Minneapolis

Minneapolis, MN

 - Analyzed the importance of different statistics on predicting Win/Loss percentage. Coauthors Ryan Brauer and Jake Dujmovic.
 - First Prize Winner at Minnesota Economic Association General Conference

- 2020

To Settle or Not to Settle: Classifying the Outcomes of the Federal Courts³

MUDAC 2020

Virtual

 - Built a machine learning system to classify outcomes of the US Federal Courts. Used an ad-hoc ensemble of dual logistic regressive classifiers. Coauthors Max Bolger and Seif Elfatairy.
 - Presented virtually at the conference
 - Finished in top 20% of participating teams

- 2019

Forecasting Soybean Futures: Prophet & VAR⁴

MinneMUDAC 2019

Eden Prairie, MN

 - Accurately forecasted the price of three target soybean futures securities. Model comprised of an ensemble of Facebook Prophet and Vector Autoregression. Model Accuracy ~99.5%. Coauthors Lindsey Hawk and Lindsay Steiger.
 - 2nd Place Overall & Analytical Acumen Award Winner
 - Invited to present to industry leaders at FASTCON 2020

- 2019

The Future of Renewable Energy in New York City

BAC @ MC 2019

New York City, NY

 - Optimized and analyzed a solution to convert half of New York state's energy needs to renewable energy. Coauthors Shanoah Harren, Lindsay Steiger, and Leah Wenner.
 - 4th Place Overall



SELECTED PRESS

- 2020

Winning Analyses⁵

Hamline University Newsroom

- 2019

Business Analytics Teams Succeed in Competition

Hamline University Newsroom

- 2019 ● **Announcing the Winners of the MinneMUDAC 2019 Student Data Science Challenge⁶**
MinneAnalytics
- 2019 ● **Data Analytics Team Takes Second in Competition⁷**
Hamline University Newsroom

LINKS

- 1: <https://github.com/andrewargeros/BAC-MC-2020>
- 2: <https://github.com/andrewargeros/Federal-Reserve-2020-MLB-Team-Success>
- 3: <https://github.com/andrewargeros/mudac2020>
- 4: <https://github.com/andrewargeros/minnemudac>
- 5: <https://www.hamline.edu/News/MeaWin/>
- 6: <http://minneanalytics.org/announcing-the-winners-of-the-minnemudac-2019-student-data-science-challenge/>
- 7: <https://www.hamline.edu/news/2019/MinneMUDAC/>