

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.)
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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
 - NCAA Varsity Athlete: Men's Tennis
 - **High School Diploma**
Coon Rapids High School Coon Rapids, MN
 - Graduated with Honors
 - Two time AP Scholar with Distinction

RESEARCH EXPERIENCE

- Current
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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.
 - **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

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✉ aargeros01@hamline.edu



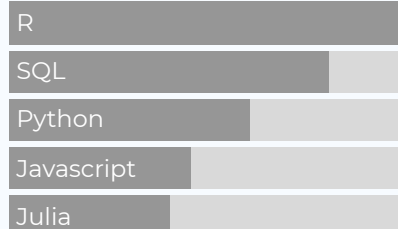
andrew@andrewargeros.com

🌐 /andrewargeros

🌐 andrewargeros.com

in /in/andrewargeros

LANGUAGE SKILLS



Made with the R package
[pagedown](https://github.com/jgm/pagedown).

Last updated on 2020-11-18.



INDUSTRY EXPERIENCE

Current
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2020



Data Science Intern

ExceleraRx Corp.

📍 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.

Current
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2020



Consultant Data Scientist

Economic Development Company of Lancaster County

📍 Lancaster, PA

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

2020
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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
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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 Housing'

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 (ABOUT)

- 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/>