AUSTIN ADAMS

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🐙 https://github.com/AustinJAdams

WORK EXPERIENCE

Research Assistant
University of Kansas

📅 May 2019 – August 2019 📍 Lawrence, KS

- Supported a professor in Financial Econometrics by doing literature reviews, code reviews, and writing.
- Worked on a paper about using maching learning models in currency markets for short-term price prediction.

Business Rotational Intern
Cboe Global Markets

📅 May 2018 – August 2018 📍 Lenexa, KS

- Created an automated quantitative fraud analytics system using mathematical modeling, Excel, and Python.
- Automated compliance reporting tools using the Bloomberg API and Python.

Audit and Finance Intern
Midwest Trust Company

📅 May 2016 – August 2016 📍 Overland Park, KS

- Worked with the Investment Team in Growth Division by preparing presentations about potential investments.
- Conducted several internal audits verifying that in-scope procedures were followed.

PROJECTS/PAPERS

Working Paper: Sparse Signals in Exchange Rates
- With with one minute exchange rate, commodities, and interest rates, we attempt to predict short term exchange rates using sparse signals in this working paper.
- **Skills Used:** Python, R, Pandas, Time Series Analysis, Statistical Modeling, Econometrics

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Working Paper: Bankruptcy Predictability using NLP
- Using web-scrapped corporate fillings, we create models to determine the companies' financial health and incoming issues.
- **Skills Used:** TensorFlow, Machine Learning, Python, Natural Language Processing, Web-Scrapping

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StatsModels Contributor
- Add and maintain methods in StatsModels, the largest open-source Python package for Statistics. My contribution includes Oaxaca-Blinder and Differences in Differences.
- **Skills Used:** Python, R, STATA, Econometrics, Statistics,

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Cryptocurrency Prediciton
- Creating systems to trade Cryptocurrencies with various Machine Learning or Statistical Methods.
- **Skills Used:** Financial Mathematics, Python, Web-Scrapping, Statistical Modeling

EDUCATION

Bachelor of Science in Mathematics
University of Kansas

📅 Jan 2020 📍 Lawrence, KS

Bachelor of Science in Economics
University of Kansas

📅 Jan 2020 📍 Lawrence, KS

- **GPA**: 3.50
- **Bachelor Certificate** in Data Science
- **Relevant Coursework:** Machine Learning, Data Science, Real Analysis, Time Series Analysis, Probability and Statistical Theory, Mathematical Finance

COMPUTER SKILLS

Python Data Science

Machine Learning Data Mining

Econometrics R STATA

Statistical Modeling/Visualization

LEADERSHIP

KU Algorithmic Trading Team
Team Lead

📅 Jan 2019 – Present 📍 Lawrence, KS

- Created models to trade futures, options market make, and dynamically allocate portfolios using Python and C++ for the Midwest Algorithmic Trading Competition, placing 1st in Options Market Making.

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KU Investment Club
President

📅 May 2017 – Present 📍 Lawrence, KS

- Collaborate with other officers to create weekly meetings discussing the stock markets, current news in finance, options, and debate on profitable strategies and stocks.

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KU Economics Club
President

📅 May 2016 – Present 📍 Lawrence, KS

- Organize presentations and events with the KU Economics Department.