ADRIAN ENDERS

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GitHub | LinkedIn | Website

WORK EXPERIENCE

Amazon   June 2024 – Present
Economist Apprentice   *Seattle, WA*
- Collaborated with Amazon Scholars Allan Timmermann and Davide Pettenuzzo on Bayesian Hierarchical Forecasting and Factor Models research.
- Estimated causal impacts of +$10 MM to optimize business initiatives implemented worldwide utilizing econometric methods such as Double Machine Learning and Bayesian Structural Time Series.
- Collected and managed several ETL data pipelines while using AWS services for efficient modeling.
- Researched machine learning outlier detection methods to reduce bias in causal impact estimates. Simulated outlier data using Generative Adversarial Networks.

UC Berkeley   February 2023 – August 2024
Analytics Ambassador   *Berkeley, CA*
- Maintained Tableau dashboards that summarized the program's employment statistics.
- Served as a communications liaison for the Master of Analytics program and spoke with prospective and incoming Master of Analytics students as a program ambassador at various events.
- Student Spotlight Q&A Article on my unique experience as a graduate student athlete

Andersen Tax   June 2022 – August 2022
Tax Associate Intern   *San Mateo, CA*
- Designed and tested a firmwide Tax Technology system to produce a new tax return platform in Excel to optimize data entry and standardize client information to be used by thousands of employees.
- Prepared individual, estate, gift, and fiduciary tax returns, managing multiple UHNWI clients' data.

Bair Island Aquatic Center   May 2022 – August 2022
Assistant Rowing Coach   *Redwood City, CA*
- Coached the Adult Competitive Masters Team of up to 20 individuals at a time during early morning practices, leading to several regional victories.
- Created individualized training programs that utilized positive reinforcement and acute athletic observations.

EDUCATION

UC Berkeley   August 2023 – August 2024
Master of Analytics, GPA: 3.77, (IEOR Merit Scholarship $20k)

UC Berkeley   June 2020 – May 2023
Bachelor of Arts in Economics and Data Science, GPA 3.60

Relevant Coursework: Financial Engineering Systems I & II, Stochastic Processes, Econometrics, Asset Pricing & Portfolio Choice, Data Structures & Algorithms, Design of Databases.

ACADEMIC PROJECTS

Generative AI for Financial Time Series

Explored the application of different generative models for time series generation, including GAN, VAE, and Consistency models. Used limited GPU clusters and data reduction techniques in the hopes of matching industry-standard discriminator scores for measuring the similarity of synthetic to original data.

Causal Inference of Government Transportation Spending
Compared Bayesian Linear Regression and Random Forest models to predict the effect of government spending on unemployment. Used propensity weighting to increase the accuracy of the average treatment effect. Calculated model error rates to compare the effectiveness and for future fine-tuning purposes.

ATHLETICS & LEADERSHIP

Cal Men's Rowing (2020-2024)
- National Champions in 2022 and 2023. Persistence Award Recipient 2024.
- Managed time effectively while training 25 hours or more every week with an Olympic caliber team.

Technical Skills: AWS (SageMaker, S3, Redshift), Python (PyTorch, PyMC3, Scikit-Learn), SQL, R, Java, Excel

Languages: German (Intermediate), French (Novice)