

Leon Friebe

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EDUCATION

Dickinson College

Carlisle, PA

B.S. in Quantitative Economics (STEM) a. B.A. in International Business & Management Double Major

Expected Graduation, December 2025

- GPA: 3.57/4.00
- Awards/Scholarships: Global Campus Scholarship, Dean's List (Fall 2023, Spring 2024, Spring 2025)
- Related Coursework: Big Data in Business, Econometrics, Managerial Decision Making, Empirical Finance, Real Estate Finance and Investments, Fundamentals of Accounting, Profiles in Leadership, Macroeconomics, Microeconomics, Behavioral Economics

SKILLS

Language: English, German

Computer: PowerPoint, Excel, Word, MS Office, Adobe Photoshop, Adobe Premiere, GenAI

Programming: R, Python

WORK EXPERIENCE

Dickinson College

Carlisle, PA

Data Analytics Fellowship

June 2024 – Current

- Conducted research on momentum in American football to predict win probability and enhance play call efficiency for coaches.
- Developed an Algorithm in R to quantify momentum in American Football and developed a R Shiny App to visualize results.
- Created an interface for coaches to use my algorithm to assist their gameplan process and use momentum analysis live in games to increase their win probability.
- Implemented GenAI into work flow to increase efficiency.

Diakonie Germany

Schwaebisch Hall, Germany

Volunteer

Sep 2019 – Jun 2021

- Adapted to changing needs of people with handicaps, promoting a flexible and person-centered approach.
- Facilitated in organizing and coordinating events, workshops, and support groups for individuals with disabilities and their families.
- Coordinated communication between groups during Covid19 to increase transparency with higher ups.

ACADEMIC PROJECTS

Empirical Finance Stock App

Carlisle, PA

Project Manager/Developer

Jan 2025 – Current

- Built an interactive stock analysis dashboard in R using Shiny, shinydashboard, and Plotly, with real-time visualizations of historical prices, volatility, CAPM, and Fama-French factor models.
- Automated extraction and processing of financial data using rvest, curl, and tidyquant, supporting dynamic analysis of financial statements and market trends.
- Currently integrating forecasting capabilities (e.g., time series models) to enhance portfolio performance projections and assist users in forward-looking investment analysis.
- App link: <https://leonfriebe.shinyapps.io/StockTrack/>

Big Data Consulting Project

Carlisle, PA

Project Manager

Aug 2023 – Dec 2023

- Analyzed a Japanese Restaurant using the 6 phases of the data analytic lifecycle to optimize menu and increase operation efficiency.
- Developed Code to analyze large dataset, to increase revenue by optimizing the menu and increasing efficiency.
- Build regression models to predict sales, order cancelations and order duration to increase sales by up to 10% and optimized shift schedule.

ACTIVITIES AND LEADERSHIP

Student Athlete Advisory Committee

Carlisle, PA

Board Member

Jan 2024 - Current

- Serve as a committee representative for the varsity football team, conveying takeaways from each meeting to entire team.
- Promote communication between athletic administration and student-athletes on campus, while serving as the voice of the football team on this committee.

Dickinson College Football Team

Carlisle, PA

Team Captain

Jan 2022 – Current

- Initiate team decision-making, problem-solving and contribute to a cohesive and focused team environment.
- Foster a culture of winning, teamwork, discipline and sportsmanship in a diverse multinational team.
- Adapt quickly to changing game situations and opponent strategies.
- Effectively balance rigorous practice schedules with academic responsibilities.

Interests

Hiking, Skiing/Snowboarding, Mountain biking, Golf