Hank Linder

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PROFILE

Economics student with practical experience building AI-driven economic models and Monte Carlo simulations to support data-driven decision-making at BMW Manufacturing. Adept at converting complex uncertainty into actionable, cost-based insights using analytics, simulation, and decision-support frameworks.

EDUCATION

Bachelor of Arts in Economics   May 2026
Clemson University   Clemson, SC
Minor: Spanish Studies   GPA: 3.50/4.00
Language: Spanish (Fluent)

RELEVANT EXPERIENCE

Undergraduate Researcher - AI Optimization in Manufacturing   Fall 2025 - Present
Clemson University in partnership with BMW   Clemson, SC

- Selected for a competitive, interdisciplinary research initiative focused on optimizing manufacturing and data strategies through applied AI and economic modeling.
- Built multiple economic models and Monte Carlo simulations to evaluate AI ROI, quantify the value of proprietary manufacturing data, and assess cost, risk, and uncertainty tradeoffs.
- Developed interactive dashboards and web-based decision tools using Python, Excel, and Cursor to visualize cost–benefit analyses, scenario outcomes, and risk exposure.
- Collaborated with faculty advisors and BMW stakeholders using **Jira and Scrum-based workflows**, contributing to sprint planning, task tracking, and iterative delivery of analytical outputs.
- Designed simulations incorporating probabilistic distributions, tornado sensitivity charts, and scenario-based inputs to support structured, data-driven decision-making.

Application Development Project (BarFlow)
Independent Project
- Developed a real-time, location-based application that processes live data to track user activity and surface actionable insights.
- Designed application logic to process continuous data streams into user-facing analytics, incorporating scalability and data-handling considerations.
- Applied analytical and economic reasoning to product design, data handling, and scalability considerations.

ADDITIONAL EXPERIENCE

Driver   2023–Present
Daniel Island Club   Charleston, SC

- Delivered reliable, client-facing service for 200+ members monthly in a high-expectation environment; maintained a 100% accident-free record.
- Supported private events and trained new staff, reinforcing safety, professionalism, and service standards.

Cashier   2017–2023
Publix Super Markets   Charleston, SC

- Managed high-volume transactions with consistent accuracy and efficiency.
- Trained and onboarded new employees, contributing to smooth operations and team performance.

STUDY ABROAD   Summer 2025

- Completed upper-level Spanish coursework, strengthening professional fluency and cross-cultural communication skills.
- Gained firsthand exposure to international environments through extensive travel across Spain.

TECHNICAL SKILLS

Python, R, Advanced Excel, Data Visualization & Dashboard Development, Monte Carlo Simulation, Scenario & Sensitivity Analysis, Economic & Financial Modeling, Analytics Tool Development, Application Logic & Data Handling, Cursor AI, Jira + Scrum, Microsoft Teams