Jack Hamilton

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ABOUT ME

Ambitious fourth year Computer Science and Data Analytics student at Hendrix College. Possessing a strong foundation of programming, statistics, data analysis, and business strategy, complemented by hands on experience in data driven decision making. Known for exceptional organizational skills, quick learning ability, and effective communication of complex results. Experienced in collaborating with cross-functional teams and applying analytical insights to support business objectives. Adaptable and eager to leverage technical expertise and problem-solving skills to tackle real world challenges in a professional setting.

SKILLS

Python	Data Analysis (Pandas, MySQL, and Excel)	Strong communication skills
SQL	Data Visualization (matplotlib and plotnine)	Desire to learn and grow
Java	Modeling Dynamical Systems	Exceptional organizational skills
HTML/CSS	Monte Carlo Simulations	Great problem solving skills

WORK EXPERIENCE

Data Analyst Intern at Bogmayer LTD. (Island Brands USA, Rusty Bull, and Southern Barrel) (August 2025 - Current)

As a Data Analyst Intern at Bogmayer Ltd under Mason Holland, I generate reports and provide insights about sales data, develop software, participate in board meetings with partner companies, and support business strategy initiatives. This role has been a great experience This experience has allowed me to develop a strong understanding of data-driven decision-making and gain exposure to cross-functional business operations. Working closely with experienced professionals has enhanced my analytical, technical, and strategic skills, making this internship an invaluable part of my professional growth.

Artificial Intelligence/Machine Learning Research Intern at Wake Forest School of Medicine (May 2025 - August 2025)

Conducted research as an AI/ML Research Intern at Wake Forest School of Medicine's Center for Artificial Intelligence. Analyzed and found trends in cardiovascular EHR Data, improved Apple Watch signals, and learned the application of artificial intelligence into healthcare. My main project was working to improve the correlation of raw Apple Watch ECG readings to the signals of Clinical Lead I ECG using different Convolutional Neural Network models. This experience was very rewarding and helped cultivate my knowledge of Deep Learning and research in the medical sector.

PERSONAL PROJECTS

Midterm Election Predictions for the Senate: predicting-the-mid-term-elections.ipynb

For this project, I analyzed the 2024 U.S. Senate elections, focusing on swing states. I aggregated polling data from FiveThirtyEight, then cleaned and prepared it to determine candidates' odds of winning in each state. Using numpy's random.normal function, I developed an equation to account for margin of error in the polls. Finally, I implemented stochastic modeling methods to predict Senate race outcomes in key swing states, providing a data-driven forecast for the 2024 election.

EDUCATION & CERTIFICATIONS

Hendrix College (August 2022 - December 2025)
Computer Science Major & Data Analytics Minor

University Pompeu Fabra (Spring 2025)
Studying Data Science in Barcelona

KEEN Entrepreneurship Certification (2025)
Completed all of the "Learn" certifications

EXTRACURRICULAR ACTIVITIES

Hendrix College Men's Soccer (2022-2025)
Three year letter winner of NCAA Men's Soccer program

Hendrix Programming Team (2024-2025)
Meet every week to program

Ronald McDonald House Volunteer (2016-2025)
Make food and clean for visitors