

# Jack Coyne

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## OBJECTIVE

Ambitious Business Analytics and Finance student with experience in financial technology, seeking to leverage a strong analytical acumen and innovative mindset to drive strategic initiatives and deliver impactful business solutions

## EDUCATION

### The University of Iowa Tippie College of Business

Iowa City, IA

B.B.A. Business Analytics and Information Systems, B.B.A. Finance

Anticipated May 2025

- GPA: 3.52, Major GPA: 3.92
- Relevant Coursework: Corporate Finance, Database Management, Data Mining, Data Wrangling, Digital Product Management, Financial Accounting and Reporting, Fixed Income Securities, Investment Management, Optimization and Simulation Modeling

## WORK EXPERIENCE

### CME Group

Chicago, IL

Data Validation and Risk Management Consultant

August 2024 – Present

- Spearheaded the troubleshooting and documentation of data migration issues on tables containing 10+ million rows of trade data for derivatives products, identifying corrective actions to resolve discrepancies and ensure seamless transitions to the cloud
- Leveraged advanced SQL techniques to extract, load, and transform large datasets with key financial metrics including margin requirements, open interest, and historical trade data, ensuring accurate reporting to uphold CME's risk management protocols
- Developed an automated reporting process using Google Apps Script to streamline the collection of data from various teams, dynamically updating spreadsheets used for regulatory reporting, improving efficiency across the Risk Policy team's operations

### CME Group

Chicago, IL

Data Validation and Risk Management Intern

May 2024 – August 2024

- Supported the Risk Policy team in validating data for CME Clearing's migration to Google Cloud, ensuring business requirements were met to accurately replicate and maintain key reports in the cloud for future risk assessment and regulatory reporting
- Presented findings to senior leadership and recommended actionable strategies for improving data validation workflows, providing clarity on complex data manipulation processes and guiding more effective use of GCP for future business needs
- Participated in cross-functional learning sessions with various teams across CME Group, gaining insights into different business areas and risk management strategies, gaining a deeper understanding of the exchange's workflow and operations

## PROJECT EXPERIENCE

### Data Wrangling

Analysis of The 2008 Housing Crisis in R

March 2024 – May 2024

- Integrated and processed extensive housing and economic data to uncover patterns and derive insights from key indicators
- Performed descriptive and inferential analytics, including hypothesis testing and model fitting, to extract meaningful insights from complex datasets and quantify relationships between key variables
- Developed visualizations to clearly communicate market dynamics and economic interactions, culminating in a detailed report providing actionable insights into the dynamics of the housing market and economy during the financial crisis

### Digital Product Management

Web Development for Personal Portfolio

January 2024 – May 2024

- Harnessed Agile methodologies for project execution, leveraging GitHub for version control and streamlined deployment
- Enhanced user experience through strategic UI design for web applications with Azure, including sitemaps and wireframes
- Constructed a personal portfolio website using HTML and CSS demonstrating a user-centered product design approach and the translation of business requirements into effective digital solutions

## SKILLS, ACTIVITIES, & ACHIEVEMENTS

- Technical Skills:** Azure, BigQuery, Excel, Google Cloud Platform, HTML/CSS, MS Office, Oracle, Python, R, SQL
- HawkTrade Stock Investment Club:** Active Member, engaging in investment strategy discussions and market analysis
- SQL Hackathon:** Achieved 98% accuracy in group hackathon with four members against 40 participants
- Certifications:** Bloomberg Environmental Social Governance, Bloomberg Market Concepts