Jacob Ye

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EDUCATION

Cornell University - Dyson School of Applied Economics and Management   **Ithaca, NY**
B.S. Applied Economics and Management (Finance Concentration)   May 2026
GPA: 4.0/4.0
Relevant Coursework: Strategy, Finance, Managerial Accounting, Behavioral Economics

Boston College – College of Arts and Sciences   **Chestnut Hill, MA**
B.A. in Computer Science, B.A. in Economics, Finance Minor (transferred)   Sept 2022 - May 2024
GPA: 3.8/4.0
Relevant Coursework: Probability Theory, Statistics, Data Structures & Algorithms, Logic and Computation, Linear Algebra, Multivariable Calculus Macroeconomics, Microeconomics, Econometrics, Formal Methods

TECHNICAL SKILLS

Languages: C++, HTML/CSS, Java, Javascript, Python, R, Rcoq, Solidity, SQL, Stata, Typescript
Frameworks: Flask, Django, React, Node
Developer Tools: Git, Github, Visual Studio Code, IntelliJ, Pycharm, Tableau, Manus
Libraries: Scikit-learn, Pytorch, TensorFlow, Keras, Pandas, NumPy, Matplotlib

WORK EXPERIENCE

Citigroup   **New York City, NY**
Markets Quantitative Analysis Intern – Citi Velocity   June 2025 - August 2025
• Built automated analytics pipeline and LightGBM model reducing data processing time by 95% achieving .79 R-squared with feature importance analysis that identified 3 actional site improvement signals.
• Developed XGBoost classification model for Equity Derivatives Flow increasing PnL from $7M to $19.5M.

Boston College Computer Science Department   **Chestnut Hill, MA**
Research Assistant   Jan 2025 - May 2025
• Built multilingual PDF analysis tool to detect and highlight language regions for OCR preprocessing.
• Developed OCR pipeline with Azure to convert glossed text PDFs into machine-readable formats.

Takeda Pharmaceuticals   **Cambridge, MA**
Business Excellence Intern   May 2023 - August 2023
• Designed an automated subscription management system for over $200,000 subscriptions to software services.
• Leveraged Tableau to manage inventory and organize purchase expenses, resulting in $50,000 yearly savings.

Battery Global Advisors   **Boston, MA**
Research Intern   May 2022
• Researched the macro & micro effects of Russia's Invasion of Ukraine, formulated recommendations to mitigate firms portfolio risk. Presented findings to a 5 member directorial team.

PROJECTS

Nike: Navigating Tariff Uncertainty | (1st place Cornell EY Case Competition)   **Apr 2025**
• Delivered strategic recommendation focused on risk mitigation and backed by financial analysis.
Dscvr.ai | TypeScript, JavaScript, CSS (1st place Cornell AI Hackathon)   **Feb 2025**
• AI-powered writing environment that gives curated instructions based on your knowledge base.
Revolutionizing Roblox | Rust, JavaScript (Node.js), Lua (1st place Harvard Hackathon)   **Jul 2024**
• Developed platform for digital advertisers to get paid instantly and fairly based on performance.

PUBLICATIONS

• Qatar's World Cup: Boon or Bust? *Jacob Ye,* **Stanford Economic Review**, 05 Jun 2023,
https://stanfordeconreview.com/2023/06/05/commentary-qatars-world-cup-boon-or-bust/