ANDREW JI

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EDUCATION

University of Virginia, McIntire School of Commerce, Bachelor, Charlottesville, VA   *August 2023 - May 2027*
Major: B.S. in Commerce (Concentration: Finance; Track: Quant Finance), Mathematics   **GPA:** 3.7/4.0
Selected Coursework: ODE, Advanced Linear Algebra, Financial Accounting, Quantitative & Financial Analysis, Mathematical Statistics

INTERNSHIPS

434 Fellow, Venture Central (434 Accelerator), Charlottesville, VA   *Jan 2026 - Present*
- Building a global investor–company matching dataset aggregating fund theses, past deals, sector focus, check sizes, and geographic preferences to identify high-fit capital partners.
- Developing a scoring engine to help startups prioritize outreach, improve fundraising efficiency, and optimize investor targeting.

Institutional Business Department Intern, China Securities Co., Ltd, Shanghai, China   *July 2025 – August 2025*
- Built data visualizations and market intelligence materials for institutional clients across 7+ product lines, while providing research in AI-powered automation (Mobile-ViT) and drone-based data systems for industry tracking and analysis.

Tax and Business Advisory Intern, International Tax and M&A Team, Deloitte, Shanghai, China   *May 2024 – August 2024*
- Advised 3 EV startups on Saudi Arabia/Thailand/Mexico entry, mapping tax pathways and US-listing implications.
  - Supported EV clients on IPO prep, including SEC compliance research and tax optimization for US listings.
  - Developed financial models for ROI analysis, incorporating ESG regulatory analysis.

DATA SCIENCE & BUSINESS ANALYTICS PROJECTS

Environmental Data Science Mamalakis Lab, UVA, Charlottesville, VA
Research Assistant   Current work: Physics-aware Causal Deep Learning Attribution Framework (1st Author)   2024 – Present
Lab Webpage: uva.theopenscholar.com/mamalakis-lab/
- Designed and trained large-scale AI deep learning models (CNN-based) to perform causal inference and attribution in complex multivariate systems, achieving high predictive accuracy ($R^2 > 0.96$).
- Diagnosed structural limitations in an existing state-of-the-art model (Stanford), redesigned the architecture, and improved model robustness and interpretability. Manuscript in progress, 1st author.

AI Project: Machine Learning Based Investment Return Attribution in ESG, UVA, Charlottesville, VA
Personal Research   2025 – Present
- Pioneered a new AI-based framework for decomposing and causally attributing ESG-related signals in asset returns, isolating structural drivers from market noise.
- Built a custom causal attribution system to evaluate how non-financial signals affect long-term, risk-adjusted performance.

AI Project: AI Pricing & Customer Analytics for [Solidcore], UVA, Charlottesville, VA
McIntire Project   2025 – Present
- Developed an AI-powered decision-support platform using explainable ML (XAI) to model and interpret the impact of pricing on customer lifetime value (CLV)
- Designed an interactive training system enabling non-technical users to run pricing simulations and analysis.

Interactive Dataset: Global Geospatial Site Selection & ROI Modeling System for EV Battery Manufacturing, Shanghai China
Deloitte Internship Data Science Project Lead   2024
- Built a global, multi-region location intelligence system integrating 90+ economic, regulatory, labor, and logistics variables to rank factory sites and quantify ROI under multiple policy and cost scenarios.
- Standardized and curated a cross-country decision-grade dataset with automated normalization and sensitivity analysis; framework was adopted by the team for continued use in future location strategy work.

LEADERSHIP ENGAGEMENTS

International Student Personal Finance Club, UVA, Charlottesville, VA
Founder / President   2023 – Present
- Founded and scaled the club to 28 members across 5 departments and obtained Contracted Independent Organization Status at UVA.
- Hosted events to enhance financial literacy for 100+ international students, delivering practical training on U.S. financial systems.

Virginia Case Club, UVA, Charlottesville, VA
Co-Vice President of Internal Relations   2023 – 2025
- Started as a member through competitive interview and elected to be the Co-VP of internal relations.
- Spearheaded 3 case competition teams analyzing real-world business/financial challenges (e.g., market entry, M&A valuation).

ADDITIONAL INFORMATION

Skills: Python, PyTorch/TensorFlow, Deep Learning, ESG Investing/Reporting, Bloomberg, SQL, Tableau, Java, RStudio, Excel

Awards: FBLA Business Financial Plan Contest: Team Captain, National 1st World 2nd, First Chinese team entering top 3.
          International Business Olympiad: Chinese National Team Captain, Team World 3rd, Personal top 4th in objective test.

Interest: Choir Singing (Baritone, CT All-State), Musical, Poetry, Calligraphy, Squash, Cross Country, Hiking, Sailing, Table Tennis