

David Aguilar

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EDUCATION

Northwestern University; Weinberg College of Arts and Sciences

Evanston, IL

Bachelor of Arts in **Physics** and **Economics**

June 2025

GPA: **3.84/4.00** | Dean's List: 7 of 8 Quarters

Honors: QuestBridge Scholar, QuestBridge Careers Fellow, Kaplan Scholar, Hispanic Scholarship Fund Scholar

University of Oxford; St. Anne's College, Study Abroad

Oxford, England; September - December 2023

RELEVANT EXPERIENCE

BNP Paribas, *Equity Research & Corporate Sales Intern*

June 2024-August 2024

- Constructed a DCF model to evaluate a public healthcare company by analyzing industry trends, projecting the success of two product launches in two new markets, and evaluating financial statements over a six year period
- Pitched a fixed to floating swap and cross currency swap for a F500 company with an interest rate model, forecasting rate movements in three countries, and projecting FX outlook over the next two years for three currencies.
- Updating a desk of nine daily about M&A updates, economic indicators and their impact, summaries of trades executed, and notes covering client calls and team meetings

Global Research Consulting, *Co-President*

October 2021-Present

- Reviewed 23 similar non-profit successful policies and initiatives to implement them for our client
- Analyzed the trends of Evanston's local government, 11 local government budgets, and 15 grants to find opportunities for financial growth for our client
- Presented a two-hour slide deck summarizing our research and explaining our proposed initiatives regarding treatments for substance abuse, hiring practices in the non-profit sector, and how to navigate government partnerships
- Gathered and organized the research of our team to produce a 50-page document bank for our client

Bain Capital, *Private Equity Summer Analyst*

June 2023-July 2023

- Analyzed 30+ company mergers and acquisitions in the insurance brokerage industry forecasting returns, EBITDA, multipliers, and revenue streams
- Prepared and presented slides to a group of managing directors about the employment quality, consumer trends, market sizes, and challenges of a company's partnerships in the insurance space
- Conducted nine expert calls with various industry leaders in insurance and nutrition supplement markets with detailed summaries to inform a team of seven about strategies and advantages of competitors, consumer trends, and market growth
- Informed a team of a dozen people daily with important takeaways and in-depth descriptions from C-Suite meetings and new documents in a company's database

RESEARCH EXPERIENCE

Kovachy Research Group, *Undergraduate Researcher*

January 2023-April 2023

- Adapted 557 lines of code from the MAGIS-100 Research Collaboration to fit Northwestern's ray tracing needs
- Communicated between ten individuals and with nine other academic institutions about results, issues, tips, and progress involving ray tracing, machine learning, coding, and quantum cameras
- Self-taught machine learning, pixel rendering ray tracing coding module, and advanced topics in quantum mechanics and atomic physics from three pieces of source code, four coding module tutorials, and three graduate-level quantum mechanics textbooks

Posner Summer Fellowship, *Fellow*

June 2022-August 2022

- Consolidated data from 13 institutions regarding 23 variables over 200+ years in 215 countries into a single user-friendly MS Excel spreadsheet.
- Conducted an extensive literature search over 50 years of research
- Inspected data with R Studio by using linear and multivariate regressions to conceive a quantified answer to the qualitative question of how distributing political power by social class affects people's participation in civil society
- Prepared and delivered a presentation regarding my literature search methods, quantified results, and implications for policy and theories to an audience of other fellows, mentors, faculty, and staff

ACTIVITIES

Concert Band & Philharmonia, *Trombonist*

September 2021-Present

Compass, *Mentor*

September 2022-May 2023

Associated Student Government, *Senator*

October 2021-October 2022

SKILLS AND INTERESTS

Technical Skills: Microsoft Office (specialized in Excel), R Studio, Python, JavaScript, Stata, Mathematica, Slack, Zoom, Google Suite, Teams, AlphaSights, CapIQ, Symphony, Bloomberg, AlphaSense

Languages: Native Speaker in English and Spanish

Interests: Golden State Warriors, Trombone, Traveling, Making YouTube Videos, Hiking, Gym, Bowling