

ALEXANDRE TILLY

Curriculum Vitae
New York, New York
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Linked-In | Website

EDUCATION

Baruch College

Bachelor of Arts - Mathematics
Weissman School of Arts & Science

New York, New York
2024 – 2027

Arizona State University

Bachelor of Science - Finance, Supply Chain Management
W.P. Carey School of Business & Barrett, the Honors College

Tempe, Arizona
2019 – 2022

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Honors Thesis: *Shoes, Coronavirus, and LBOs – An LBO of Foot Locker, Inc*, 2022

Case Western Reserve University

Bachelor of Arts - Cognitive Science, English
Minor - Computer Science
School of Arts & Sciences

Cleveland Ohio
2017 – 2018

EMPLOYMENT HISTORY

State Street

Alternative Investment Business Transformation, Officer
Alternative Investment Management Solutions, Business Transformation

New York, New York
2024 – Present

–
Partner with cross-functional teams to drive strategic and operational initiatives across institutional alternative investment platforms, supporting process optimization, technology enablement, and scalable operating models. Contribute to business transformation efforts spanning private equity, private credit, and real assets by translating complex investment workflows into actionable requirements and execution plans.

FTI Consulting

Consultant
Corporate Finance & Restructuring

New York, New York
2022 – 2024

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Supported restructuring, turnaround, and business transformation initiatives by advising corporate and creditor stakeholders on liquidity management, operating model redesign, and value creation. Developed integrated financial models, cash-flow forecasts, and KPI frameworks to evaluate capital structures, optimize operations, and support in-court and out-of-court restructurings.

Center for Investment Engineering

Research Analyst
W.P. Carey Department of Finance, Arizona State University

Tempe, Arizona
2022

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Structured and standardized unstructured historical financial statement data to support empirical asset pricing research on R&D expenditures, expected profitability, and expected returns. Contributed to Goyal, A. and Wahal, S. (2023), “R&D, Expected Profitability, and Expected Returns” by enabling large-scale analysis of the relationship between R&D investment, future cash-based operating profitability, and cross-sectional expected returns.

Student Investment Management Fund

Hedge Fund Analyst
W.P. Carey Department of Finance

Tempe, Arizona
2021 – 2022

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Designed, implemented, and monitored a quantitative, retail-investor-based investment strategy for a student-led fund managing a portion of Arizona State University’s endowment in partnership with the university’s investment office. Applied signal construction, portfolio optimization, and performance attribution techniques informed by Boehmer, E., Jones,

C. M., Zhang, X., and Zhang, X. (2021), "Tracking Retail Investor Activity", within an institutional governance framework.

Intel Corporation
Finance Analyst, Intern
Finance Department

Chandler, Arizona
2021

Supported Intel's Sales & Marketing Group (SMG) and Internet of Things Group (IOTG) on autonomous mobility growth strategy by synthesizing technical, equity, and industry research into actionable insights. Developed financial models, market-sizing analyses, and scenario-based projections to evaluate total addressable and serviceable obtainable markets (TAM/SOM) for Mobileye and Autonomous Transportation & Infrastructure (ATI). Delivered insights on competitive positioning, adoption trends, and investment priorities, informing executive decisions on strategic growth initiatives and the Mobileye spin-off.

Transcend Healthcare Partners
Private Equity Analyst, Intern
Investments

Scottsdale, Arizona
2020 – 2021

Supported healthcare and healthcare technology-focused private equity investments by conducting market research, financial modeling, and due diligence on target companies. Accelerated the evaluation of a quarter of a billion dollar (~\$250M) healthcare business by assisting in the development of a financial model assessing operational and financial health. Researched and screened over 1,400 prospective firms daily using automated tools, increasing outreach by 250% and response volume by 40%, and prepared analyses to inform senior partners' investment and portfolio decisions.

Anodize Capital Partners
Investment Analyst, Intern
Investments

Scottsdale, Arizona
2020

Supported deal sourcing and investment analysis for a search fund by conducting market research, financial modeling, and due diligence on potential acquisition targets across multiple industries. Evaluated target company financials, growth potential, and operational metrics to inform investment recommendations and strategic decision-making.

The Forakis Law Firm
Legal Assistant
Estate Planning & Business Law

Phoenix, Arizona
2019 – 2020

Assisted attorneys in estate planning and business law matters by preparing legal documents, conducting client and case research, and organizing files for court filings and client meetings. Supported the firm in drafting contracts, wills, and trusts, while ensuring compliance with regulatory and procedural requirements.

Case Western Reserve University
Residential Assistant
Residential Life

Cleveland, Ohio
2018

Supported the residential community by fostering a safe, inclusive, and engaging living environment. Assisted with conflict resolution, program planning, and policy enforcement while serving as a primary point of contact for over thirty residents and facilitating communication between students and university administration.

RESEARCH & PROFESSIONAL INTERESTS

Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc.

PUBLICATIONS

Non-Reviewed Articles & Papers

1. **Shoes, Coronavirus, and LBOs - An LBO of Foot Locker, Inc** 2022
Alexandre Tilly
Barrett, the Honors College – Arizona State University

Conducted a leveraged buyout (LBO) analysis of Foot Locker, Inc., evaluating the impact of COVID-19 on operations, revenue, and valuation. Built financial models to project cash flows, debt capacity, and returns, while assessing strategic risks and opportunities to inform investment decision-making in a pandemic-affected retail environment.

Projects

1. **Forecasting Foreign Exchange Behavior – Eigenvector Scaling** 2025
Edward Chae, Harmony Li, Hope Li, Alexandre Tilly
Financial Quants & Engineers (FQE), Baruch College
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Applied eigenvector scaling techniques to forecast foreign exchange behavior, analyzing historical currency data to identify dominant market dynamics and predictive factors. Collaborated with a team of four to develop quantitative models, perform backtesting, and evaluate forecast accuracy, providing actionable insights for currency risk management and trading strategies.
2. **Momentum Risk Management** 2025
Edward Chae, Harmony Li, Hope Li, Alexandre Tilly
Financial Quants & Engineers (FQE), Baruch College
–
Developed a quantitative framework for managing momentum-based portfolio risk, analyzing historical asset price data to identify exposure to trend-driven market movements. Collaborated with a team of four to construct risk metrics, perform stress testing, and implement mitigation strategies, enhancing portfolio resilience and providing actionable insights for systematic trading decisions.
3. **Pricing Convertible Bonds Using Monte Carlo Simulation** 2025
Megumi Akino, Alexandre Tilly, Alan W
Financial Quants & Engineers (FQE), Baruch College
–
Developed a Monte Carlo simulation framework to price convertible bonds, incorporating stochastic modeling of underlying equity, interest rates, and credit risk. Collaborated with a team of three to implement the simulation, validate model outputs, and perform sensitivity analysis, enhancing understanding of risk and valuation dynamics in hybrid fixed-income instruments.
4. **Weather Event Contracts (Kalshi)** 2025
Arthur Faymin, Zachary Jeon, Alexandre Tilly
Financial Quants & Engineers (FQE), Baruch College
–
Designed and executed a quantitative strategy for trading weather event contracts on Kalshi, analyzing historical weather and market data to identify pricing inefficiencies. Collaborated with a team of three to develop predictive models, backtest scenarios, and evaluate risk-adjusted performance, applying statistical, algorithmic, and data-driven techniques to optimize simulated trading outcomes.
5. **Front Running Event Contracts** 2024
Dzara Melcone, Andrew Schwartz, Alexandre Tilly
Financial Quants & Engineers (FQE), Baruch College
–
Developed and implemented a quantitative trading strategy analyzing historical market data to identify patterns in event-driven contract pricing. Collaborated with a team of three to design predictive models, backtest trading hypotheses, and evaluate performance metrics, applying statistical and algorithmic techniques to optimize decision-making in a simulated trading environment.

IN PREPARATION

1. Financial Quants & Engineers (FQE), Project - Merger Arbitrage Indicator

AWARDS

- **Jack D. Furst Honors Scholarship** 2022
Arizona State University
Grant Amount: \$2,000
Alexandre Tilly
–
This is a scholarship made possible by a generous donation by Jack D. Furst, an ASU alumnus ('81 Finance), who is co-founder and senior advisor to the sector-focused private equity firm of HM Capital Partners LLC. The scholarship is part of an overall Department of Finance initiative to do research and develop curriculum in the area of private

equity. The goal is to become an internationally recognized center of excellence in the field of private equity finance.

• **Dell's National Case Competition**

2021

ASU's Supply Chain Management Association & Supply Chain Executive Consortium
Second Place, Award Amount: \$2,000
Michael Cooper, Robert Henry Rasmussen, Eleonora Scardini, Alexandre Tilly

—
Developed a comprehensive strategy for sustainable supply chain management and reverse logistics, analyzing environmental, operational, and economic impacts. Collaborated with a team of four to propose actionable solutions for Dell, integrating sustainability initiatives with efficient logistics practices, earning second place in the national competition.

• **John Gray Land Scholarship**

2021

Arizona State University, W.P. Carey School of Business
Award Amount: \$2,700

• **Elroy & Virgilia Clark Endowment Scholarship Fund**

2020

Arizona State University, W.P. Carey School of Business
Award Amount: \$1,269

EVENTS & OUTREACH

Conference

American Legion, Arizona Boys State
The American Legion, Department of Arizona
Leadership & Civics Education

Flagstaff/Tucson, Arizona
2018, 2021, 2024-25

—
Developed educational materials and curricula for three leadership and civics classes – Persuasion & Advocacy, Public Finance & Banking, and Robert's Rules of Order—delivered to participants at Arizona Boys State. Advised and mentored high school students throughout the program, providing guidance on civic engagement, leadership skills, and practical understanding of governmental and parliamentary processes.

FTI Consulting, New Consultant Orientation
Corporate Finance & Restructuring, Center of Excellence
On-boarding & Training

Chantilly, Virginia
September, 2023

—
Developed and presented two comprehensive case studies during new consultant orientation. Led the analysis and presentation of a specialty retail vendor turnaround, including 13-week cash flow modeling, comparable company analysis, and performance improvement recommendations, delivering insights and instruction to 100+ new consultants. Advised a group of 15 new consultants to analyze contract-level profitability for a professional services firm and guided the presentation of findings explaining drivers of declining business segment margins.

Workshops

FQE Education Series
Financial Quants & Engineers (FQE)
Project Team

New York, New York
2025

—
Developed and delivered educational sessions for Financial Quants & Engineers (FQE), introducing team members to quantitative finance concepts, advanced mathematical techniques, and effective presentation strategies. Designed instructional materials and led discussions to enhance technical skills, analytical thinking, and communication within the team.

PROFESSIONAL ORGANIZATIONS, VOLUNTEERING, & LEADERSHIP

Professional Organizations

International Association for Quantitative Finance (IAQF)
Member

2025

The International Association for Quantitative Finance (IAQF) is a global professional organization dedicated to advancing the study and application of quantitative methods in finance. It connects academics, practitioners, and industry leaders through conferences, seminars, publications, and networking opportunities, fostering innovation and knowledge-sharing in areas such as risk management, asset pricing, derivatives, and algorithmic trading.

Society of Quantitative Analysis**2025***Member*

The Society of Quantitative Analysts (SQA) is a not-for-profit professional organization that serves the quantitative investment practitioner community by promoting education, communication, and the practical application of rigorous quantitative methods in investment management. It fosters dialogue between practitioners and academics, hosts events and seminars on leading analytical techniques, and provides networking and professional development opportunities for members engaged in quantitative finance and related disciplines.

Society for Industrial and Applied Mathematics (SIAM)**2025***Member*

The Society for Industrial and Applied Mathematics (SIAM) is an international professional organization dedicated to advancing applied and computational mathematics. It provides resources, conferences, publications, and networking opportunities for researchers, practitioners, and educators, promoting the application of mathematical principles to solve real-world problems in science, engineering, industry, and technology.

Horological Society of New York**2024***Member*

The Horological Society of New York (HSNY) is a nonprofit organization dedicated to the advancement, education, and appreciation of horology—the art and science of timekeeping. It provides lectures, workshops, exhibitions, and certification programs for watchmakers, collectors, and enthusiasts, fostering knowledge, craftsmanship, and a community around mechanical and modern timekeeping.

Sports Car Club of America (SCCA)**2023***Member*

The Sports Car Club of America (SCCA) is a U.S.-based organization dedicated to motorsports and automotive enthusiasm. It organizes competitive racing, autocross, rally, and road events, while promoting driver education, safety, and community engagement among amateur and professional motorsports enthusiasts nationwide.

Institute for Supply Management (ISM)**2022***Member*

The Institute for Supply Management (ISM) is a global professional association dedicated to advancing the practice of supply chain and procurement management. It provides education, certification, research, and thought leadership to supply management professionals, supporting best practices in sourcing, logistics, operations, and supplier relationship management across industries.

The American Finance Association (AFA)**2022***Member*

The American Finance Association (AFA) is the leading academic organization dedicated to the study and advancement of financial economics. It brings together scholars, researchers, and practitioners to promote high-quality research, education, and dialogue in finance through conferences, publications—including the Journal of Finance—and professional development, serving as a central forum for cutting-edge research and thought leadership in the field.

Turnaround Management Association (TMA)**2022***Member*

The Turnaround Management Association (TMA) is a global professional organization focused on corporate restructuring, turnaround, and distressed investing. It brings together professionals from finance, consulting, private equity, investment banking, and law who specialize in improving the performance and value of underperforming or distressed

companies, and provides education, thought leadership, certification programs, and networking opportunities across the restructuring and special situations ecosystem.

Beta Gamma Sigma (BGS)

2020

Member

— Beta Gamma Sigma (BGS) is the international honor society for business students at AACSB-accredited institutions, recognizing the highest-achieving students for academic excellence and ethical leadership. Membership is highly selective and provides access to a global network of top business professionals, alumni, and thought leaders, along with professional development resources and leadership opportunities across all major business disciplines.

Volunteering

American Legion, Arizona Boys State

2018 – Present

Senior Counselor & Instructor

— Supporting counselors in managing daily meetings and program operations for a week-long leadership camp, providing instructional and logistical support across 30+ sessions. Assisted in preparing and delivering speeches and structured activities, including fitness and engagement programs, while tracking attendance and participation trends to support effective camp operations. Advised the board on strategic decisions, including the selection of the camp location between Flagstaff and Tucson. Actively contributed to three committees:

1. Operations & Personnel Committee: Assisted in creating the caucus guide, election guide, and city/county guide to ensure smooth program execution and participant engagement.
2. Finance Committee: Supported budgeting, expense tracking, and financial planning for the week-long program to maintain operational efficiency.
3. Contracts & Strategic Planning Committee: Participated in evaluating vendor agreements, contracts, and long-term strategic initiatives to optimize program logistics and sustainability.

Latin American Professionals Group (LAPN)

2024 – Present

Commerce Committee Member

— Served on the Commerce Committee of the Latin American Professionals Network, supporting initiatives focused on professional development, business engagement, and economic empowerment. Contributed to the planning and execution of commerce-focused programming, partnerships, and networking events designed to connect members with industry leaders and business opportunities.

Hispanic Organization for Leadership & Advancement (HOLA)

2022 – 2024

Strategic Planning Committee – Strategy & Operations Member

— Planned and executed internal networking, cultural, and business development events on behalf of HOLA, including panels, happy hours, and heritage-focused programming across major U.S. markets. Built and maintained budget and event-tracking tools to manage \$5K–\$10K program budgets, coordinate more than 20 events across multiple cities, and track KPIs, resulting in engagement from over 2,000 attendees while promoting Hispanic cultural awareness across FTI Consulting.

SKILLS & LANGUAGES

Skills

- Tools & Technologies:

- Programming Languages

* Github/Git	* SQL
* Python: NumPy, Pandas, Seaborn, DateTime	* C++
* R	* Java

- Mathematics

- * Magma
 - * SageMath
 - * Mathematica
 - Market Intelligence Software
 - * Bloomberg
 - * Cap IQ
 - * FactSet
 - * Refinitiv
 - * Debtwire
 - * Octus
 - * Pitchbook
 - * Crunchbase
 - * WRDs
 - Microsoft Suite
 - * Excel
 - * Word
 - * Powerpoint
 - * PowerBI
 - * Power Automate
 - * VBA
 - * Microsoft Project
 - Other
 - * Tableau
- Industry Knowledge
 - Finance & Quantitative Finance
 - * Mergers & Acquisitions, Alternative Investments, Portfolio Management, Risk Management, Trading, Due Diligence (Commercial, Market, Operational), Equity Research, Investments, FP&A
 - * Securities: Fixed Income, Options
 - * Financial Modeling
 - * Restructuring: Bankruptcy Advisory, 13 Week Cash Flow
 - * Investment Management
 - * Management: Corporate Strategy, Business Strategy, Market Research, Operational Modeling, Business Development, Root Cause Analysis
 - Estate Planning & Private Wealth Management
 - * Trusts, Wills, Power of Attorney, Business Law
 - Data Science
 - * Quantitative Analytics
 - * Statistics: Regressions, Bayesian Statistics, Maximum Likelihood Estimator
 - Supply Chain Management
 - * Pricing Strategy, Cost & Spend Management
 - Accounting
 - * Financial Accounting, Managerial Accounting, Fund Accounting, AR/AP Management
 - Real Estate
 - * Real Estate Valuation

Languages

- English – Native Fluency (Citizen, USA)
- French – B1 Proficiency (Citizen, France)
- Spanish – B2 Proficiency (Citizen, Mexico)
- German – A1 Proficiency