Jacqueline Liu

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EDUCATION

Harvard College   **Cambridge, MA**
Bachelor of Arts - Applied Mathematics in Economics and Computer Science; Minor in Statistics   *Expected Dec 2025*
- **Cumulative GPA:** 3.9 / 4.0; **Relevant Coursework:** Machine Learning, Probability, Statistics, Convex Optimization, Algorithms, Advanced Microeconomics, Algorithmic Fairness (Grad-level), Mathematical Modeling (Grad-level)

PROFESSIONAL EXPERIENCE

Point72   **New York, NY**
Proprietary Data Research Summer Analyst   *Jun 2024 – Aug 2024*
- Conducted fundamental research on the homebuilder industry, outlined market leaders and prevailing business models, highlighted sector competitive dynamics and emerging trends, and delivered a 15-page investment team takeaway deck
- Tracked the data footprint of 10 tickers of interest and conducted sourcing of alternative data resources to support analysis
- Used Python and SQL to perform trend development, data cleaning and tagging, visualization, and backtesting on alternative datasets; developed and optimized 5+ price prediction models and delivered the analysis to the investment team

Harvard University   **Cambridge, MA**
Math Course Assistant   *Sep 2023 – Jun 2024*
- Led office hours and graded assignments for Harvard's math course on proof-based linear algebra and multivariable calculus

Primavera Capital   **Beijing, China**
Private Equity Summer Analyst   *Jul 2023 – Sep 2023*
- Assisted the investment team in screening and executing potential growth equity investments in the technology sector
- Conducted industry research on the biopharma industry, mapped leading players and upcoming drug introductions, assessed clinical testing progress, and compiled an 8-page deck on potential valuation impacts on 4 portfolio companies
- **Selected Investment Experience:** $60 Million Investment in a South-East Asia Ice Cream Company
  - Assessed company business model, growth projections, and distribution strategy segmented by market
  - Assisted in scrutinizing seller revenue forecasts on revenue and margins, and sensitized returns for IC memo

Gemsouls Start-Up   **Shanghai, China**
Data Analytics Winter Intern   *Feb 2022 – Jun 2022*
- Interpreted data of bot performances and user responses to iterate models and support product development
- Applied natural language processing algorithm to segment and tag new users to improve and customize onboarding UI/UX; resulted in increased customer retention rate and user conversion from 95% to 98%
- Used Python and SQL to perform regression analyses on tracked data to enhance bot performances and user engagements; improved user retention rate by 5% to a level above industry average

RESEARCH AND EXTRACURRICULAR

Harvard Datamatch Club   **Cambridge, MA**
Statistics Team Leader   *Sep 2021 – Present*
- Analyzed data from 50K+ participants across 40 schools, applying matching algorithms to yield 196K+ quality matches; identified pivotal parameters through regression analysis to enhance match efficacy; led workshop on coding for website design and visualization, engaging over 30+ computer science students

Smart Women Securities   **Cambridge, MA**
Investment Analyst   *Sep 2021 – Present*
- Selected to join the investment team managing a $35k AUM student-run fund focusing on long/short equities,
- **Selected Pitch Experience:** *Long – Salesforce*
  - Outlined the company's product offerings and growth strategy, and assessed the impact of AI and other disruptors
  - Identified company-specific differentiators, analyzed market reaction, and formulated the investment theses
  - Build revenue projections, conducted DCF and comps analysis, and concluded with a 30% upside price target

Dating Apps Matching Algorithms (Python)   *Dec 2023*
- Evaluated dating app matching algorithms for matching efficiency; designed and coded collaborative filtering with resetting features and adapted Upper Confidence Bound algorithms for enhanced recommendations.

SKILLS, ACTIVITIES & INTERESTS

Languages & Skills: Python, SQL, C++, R, MATLAB, Tableau, Stata, Mandarin (Fluent), Microsoft Office Suite
Interests: Mindfulness, Badminton, Dance, Fashion, Game Theory, Board Games, Poker, Hiking, Running, Wine Tasting