

# Romina Pliner

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## EDUCATION

**University of Illinois at Urbana-Champaign | James Scholar Honors Program**

**GPA: 3.9/4.0**

*Bachelors, Economics and Applied Mathematics, Minors in Statistics & Business*

*Expected May 2026*

- **Relevant Coursework:** Microeconomic Theory, Macroeconomic Theory, Statistical Economics, Fundamental Mathematics, Introduction to Programming for Engineers, Elementary Real Analysis, Fundamentals of Accounting, Abstract Linear Algebra, Statistics and Probability, Abstract Algebra, Non-Euclidean Geometry, Financial Economics, Economics of Innovation and Tech, Corporate Finance

## PROFESSIONAL EXPERIENCE

**Illinois Math Lab**

**Champaign, IL**

*Undergraduate Mathematics Researcher*

*August 2024 - Present*

- Explored the intersection of Fibonacci and Collatz sequences, developing and analyzing new mathematical recurrences to investigate behaviors and limit points.
- Applied mathematical freedom to create innovative recurrences, experimenting with alternating Fibonacci & Collatz rules to uncover connections to Cantor sets.
- Conducted computational simulations to explore unexplored mathematical territory, examining the randomness and limit points of newly defined sequences.

**Cambridge International Advisory Group (CIAG)**

**Remote**

*Economics Research Fellow*

*August 2024 - Present*

- Conducted economic research across various industries, analyzing market trends and economic indicators to support consulting strategies.
- Produced reports on economic conditions and industry data, directly aiding consultants in developing data-driven client recommendations.
- Collaborated with consultants to incorporate economic research into presentations, enhancing strategic proposals.

**Received**

**Tel-Aviv, Israel**

*Financial Tech Business Intern*

*June 2024 - August 2024*

- Employed a comprehensive understanding of the financial industry to streamline and automate end-to-end billing processes for B2B finance teams.
- Spearheaded outreach initiatives to connect with B2B clients and stakeholders, effectively communicating the benefits of Received's billing solutions.
- Collaborated with cross-functional teams to align pricing strategies with industry trends and client needs in the dynamic financial technology sector.

**AI4ALL**

**Remote**

*Artificial Intelligence Intern*

*January 2024 - Current*

- Developed and implemented supervised learning models to analyze job data and predict salaries for data science and tech positions.
- Engaged in mentorship sessions with industry professionals to gain insights into career paths, industry best practices, and real-world applications of AI and ML.
- Participated in seminars and workshops on artificial intelligence, machine learning, and data science to expand knowledge and stay updated on emerging trends.

**QUANT**

**Champaign, IL**

*Quantitative Researcher*

*September 2023 - Current*

- Selected as 1 of 6 new research analysts from 1000+ prospective candidates to join after a rigorous application and interview process.
- Conducting extensive data analysis and backtesting to assess the effectiveness of pairs trading strategies, including cointegration and mean-reversion techniques.
- Designed quantitative trading strategies, applying financial models to minimize risk and maximize returns in a high-frequency trading environment.

**Champaign-Urbana Business Engineering (CUBE) Consulting**

**Champaign, IL**

*Consultant*

*August 2023 - Current*

- Cultivated a network of 100+ angel investors and VCs through targeted outreach, positioning a small AI company for funding opportunities and growth.
- Sourced prospective clients and educational institutions, facilitating the expansion of a collegiate sports networking platform and driving its outreach initiatives.
- Spearheaded client acquisition initiatives for an events technology company, identifying and securing strategic partnerships to drive business expansion efforts.

## COLLEGIATE PROJECTS

**Event-Based Trading Analysis Using Advanced Pricing Logic and Market-Making Strategies on Kalshi**

**2024**

- Developed and implemented trading algorithms for market-making on event contracts related to weather outcomes in major cities.
- Apply market-making strategies on Kalshi using insights derived from the weather data analysis, resulting in profitable trading outcomes.

**Mean Reversion in Pairs Trading: Oil & Gas Stock Analysis**

**2023**

- Conducted statistical analysis to identify cointegrated pairs of stocks in the oil and gas industry, laying the groundwork for pairs trading strategies.
- Implemented mean reversion techniques, optimizing trading parameters for risk management and profitability, while developing a backtesting algorithm

**Quantitative Analysis and SVR-Based Statistical Arbitrage Strategy**

**2023**

- Developed a sophisticated algorithm using Support Vector Regression to analyze historical financial data and identify cointegrated relationships in oil stocks.
- Implemented Python scripts to perform pairs trading strategies based on the identified cointegration, leveraging the power of SVR for accurate predictions.

## SKILLS

**Languages** | Python, Jupyter Notebooks, R, AWS, C++

**Technical Skills** | Microsoft Office (Excel, PowerPoint, Word), Social Media Marketing, Financial Analysis

**Certifications:** Wall Street Prep: Financial & Valuation Modeling Certification Program (*In progress*), Wall Street Prep: Accounting Crash Course (2023), Wall Street Prep: Analyzing Financial Reports (2023), Illinois State Scholar (2022)