

# YEYUXI YI

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## EDUCATION

**St. Lawrence University**, Canton, New York **Anticipated: May 2025**  
Bachelor of Science, Mathematics GPA: 3.869 /4.000  
Honors & Awards: Davis United World College Scholarship, Dean's List (All Semesters), Internship Fellowship Award, Saints Start Challenge Grant (Research grant), Pi Mu Epsilon Award (Math honor)

**United World College of Southern Africa**, Mbabane, Eswatini **Jan 2019 – Nov 2020**  
International Baccalaureate Diploma (high-level courses: Math, Economics, Physics), SAT Math 800/800

## WORKING EXPERIENCE

**Old City Investment Partners**, *Intern*, New York City **Jan 2024 – Present**  
Placement Firm specializing in raising capital for alternative investment managers

- Conduct research projects and analysis on alternative investment strategies and managers
- Support the general operational processes of the firm, including data maintenance and internal/external communications

**Federal Home Loan Bank of Boston**, *Enterprise Risk Management Intern*, Boston **May 2023 – Aug 2023**  
\$40 Billion AUM Government-Sponsored Bank to support housing finance and community investment

- Monitored and visualized 5-year trends of market value and key risk metrics using Python and Power BI
- Conducted 3-year backtesting on 300+ interest rate scenarios to select the top 30% most impactful, optimizing VaR analysis
- Evaluated basis risk by monitoring \$5 billion in fixed-rate bonds and their hedges via Excel over a 4-year period

**Recycle Track Systems**, *Pricing Intern*, New York City **Jun 2022 - Aug 2022**  
Waste Management Start-up

- Developed cost prediction models via regression analysis to improve pricing efficiency and simplify workflows
- Built a scenario analysis on service schedule and product volume to assess the profit margin of the new operation model
- Collaborated with the Sales and Operations teams to price 30+ service sites, aiming to secure a targeted profit margin

## CO-CURRICULAR EXPERIENCE

**The Crown Royalties Investment Club**, *Investment Analyst*, St. Lawrence University, Canton **Jan 2022 – Dec 2023**

- Developed econometric models in R to analyze stock price responses to 100 S&P 600 small-cap companies' financial announcements, assessing market efficiency and optimal investment timings based on news
- Analyzed the relationship between S&P 500 returns and the moving averages of its components using Bloomberg and Excel
- Conducted research on company fundamentals, market outlook, and technical analysis to deliver equity recommendations

**PREDOC Summer Program**, *Participant*, Opportunity Insights, Remote **Jun 2023 – Aug 2023**

- Participated in Harvard's 10-week selective program on quantitative social science research in STATA with a \$2,000 award
- Researched how the tier, cost, and location of undergraduate education impact the future earnings of low-income students

**Independent Mathematics Research**, *Student Researcher*, St. Lawrence University, Remote **May 2023 – June 2023**

- Investigated Lucas coefficients and their divisibility under the supervision of Professor Gabriel Dorfsman-Hopkins
- Used Python to visualize divisibility patterns and their similarities to binomial coefficients
- Delivered a poster presentation of key findings at a St. Lawrence Honors Conference

**Mpaka Peers**, *Director*, Mpaka Refugee Camp, Eswatini **Feb 2019 - Oct 2020**

- Led a team of 14 members to promote educational equality for 40 teenagers by organizing biweekly interactive sessions
- Proposed a fundraising project that [won \\$1,000](#) to purchase computers and USB drives containing study material

## SKILLS

**Technical:** Python, Java, STATA, R, Excel, Power BI, Bloomberg Terminal, Affinity CRM  
**Certifications:** Business and Financial Modeling Specialization (Wharton), Pandas Essential Training (LinkedIn Learning)  
**Languages and Interests:** Mandarin (Native), English (Fluent), Chess, Pen Beats, Jazz Drum