

Elizabeth Lydon

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Education

University of South Florida

Tampa, FL

Econometrics and Quantitative Economics, B.S.

Dec 2025

Mathematics Minor

London School of Economics and Political Science

London, England

Management Analytics in the Age of Big Data (AI)

Summer program, 2025

Relevant Coursework:

Time Series & Forecasting · Mathematical Economics · Advanced Price Theory · Economics of Business Strategy · Computer Information Systems in Business · Engineering Graphics and Computing · Vector Calculus · Linear Algebra · Differential Equations · Intro to Abstract Mathematics · Graph theory

Work Experience

Underwriting Intern - McGowan Allied Specialty Insurance

Tampa, Florida May – Aug 2021, May – Aug 2022

- Supported underwriting team in evaluating exposures for the Amusement & Entertainment industry, contributing to accurate policy decisions across multiple lines of coverage
- Trained in policy issuance, account setup, and endorsement processing; independently issued policies exceeding \$30,000 in premium
- Enhanced internal reference guides and exposure research tools to improve consistency and standardization
- Engaged with prospective insureds and industry partners at the IAAPA Conference, strengthening relationships with decision makers and developing industry specific expertise

Accounting Assistant - BES inc.

Tampa, Florida (remote), May – July 2023

- Managed financial records and ensured compliance with Florida Department of Transportation audit standards through accurate data entry and reporting.

Engineering Intern - SRD Engineers

Tampa, Florida May – Aug 2021, May – Aug 2022

- Contributed to design and development of multiple Florida Department of Transportation State Highway projects
- Used Florida Department of Transportation design and drafting software applications, primarily Bentley Systems' MicroStation, to develop roadway signage and pavement marking plans and roadway lighting plans
- Interfaced with FDOT senior leadership during design meetings, gaining exposure to executive environments

Leadership & Involvement

NCAA Division One Student-Athlete, Scholarship - University of South Florida Track & Field Team 2023 – 2024,

Colorado State University 2021 – 2023

- As a Pole-Vaulting Athlete, represented the University nationally at high-level intercollegiate competitions and championships as well as multiple community events and volunteer activities.

Mathematical Association of America – University of South Florida

Sep 2023 – present

- Collaborate with peers to enhance mathematical understanding during club meetings in which graduate students, professors, and guest industry professionals present their latest research and ideas

Affiliated Greek Organization: Gamma Phi Beta, Tau Chapter

Joined 2021

Personnel chairwoman:

- Developed and presented informational sessions on personal growth and professionalism to 200+ members
- Responded to interpersonal concerns, resolving issues through mediation and upholding chapter by-laws

Loyalty Circle Group Leader:

- Led a group of 12 women in organizing and executing community service initiatives in the Fort Collins, Colorado area

Skills

Technical: R & RStudio (proficient) · Excel, VBA, PowerPoint, Word (professional) · ReferenceConnect, Quicksolver, Workbench (professional) · OpenRoads Designer (professional) · QuickBooks (professional)

Soft Skills: Motivated to learn and adapt quickly · Analytical mindset paired with a personable, relationship-driven communication style

Interest: Develop mathematical modeling of financial markets and economic behavior · linear and nonlinear optimization in real-world problem solving · Financial forecasting and risk management · Applied mathematics in economic analysis