

SOPHIE MURPHY

smurphy85@gatech.edu ◇ [linkedin.com/in/sophiemurphy85](https://www.linkedin.com/in/sophiemurphy85) ◇ sophiepmurphy.github.io

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Scheller College of Business, Georgia Institute of Technology

EDUCATION

Georgia Institute of Technology, Atlanta, GA USA

Aug 2021 - Present

Bachelor of Science in Business Administration, Concentration in Finance

Cheshire High School, Cheshire, CT USA

Aug 2017 - June 2021

PROJECTS

Customized Sector Benchmark Research Project - HIMCO

Abstract: As the capstone project of my Investment Portfolio Management internship at Hartford Investment Management Company (HIMCO), I conducted a comprehensive research initiative exploring the feasibility and merits of creating a customized benchmark for Private Asset-Based Lending (ABL). I analyzed sector dispersion, portfolio composition, and return characteristics to assess the limitations of traditional benchmarks and develop a more representative alternative. The project culminated in a formal presentation to senior portfolio managers, where I proposed actionable insights to enhance relative performance measurement and portfolio strategy.

Fixed Income Trading Simulation - HIMCO

Abstract: I participated in an 8-week fixed income trading simulation focused solely on bond markets. I was responsible for tracking macroeconomic trends, predicting rate movements, and executing trades based on real-time developments. The game emphasized strategic decision-making and risk management under time pressure, helping me develop a deeper understanding of market behavior and fixed income portfolio dynamics. My consistent engagement with market data and disciplined trading approach improved my ability to interpret economic signals and respond to changing conditions.

Entrepreneurial Finance Project - Georgia Tech Abstract: As part of my Entrepreneurial Finance course, I collaborated with a small team to develop a startup concept for a subscription-based toy box service targeting parents with young children. I led the financial modeling effort, building an Excel model that projected earnings, quarterly sales, and customer acquisition over a five-year hypothetical period. Our team refined the pitch with faculty guidance and presented the business plan to real venture capitalists in Atlanta for evaluation. The project sharpened my financial forecasting, presentation, and entrepreneurial thinking skills.

SKILLS

Technical Skills: Financial Modeling and Forecasting, Credit Underwriting, Portfolio Management and Benchmark Analysis, Microsoft Excel, PowerPoint, Word, Bloomberg Terminal, Python (Basic), Capital IQ

Professional Skills: Strong Written and Verbal Communication, Leadership and Team Coordination, Problem Solving and Critical Thinking, Adaptability in Fast-Paced Environments

INTERNSHIP EXPERIENCE

Hartford Investment Management Company, Hartford, CT:

Summer 2024

Investment Portfolio Management Intern, Private Asset Based Lending

- Developed and implemented a robust framework for sector investment exposure monitoring and client reporting using Microsoft Excel

- Recommended potential sector benchmarks to measure future investment performance, incorporating comparisons with public indices
- Conducted thorough analysis of legal and maintenance documents to extract critical deal information, underwriting and authoring a comprehensive credit memo for the investment committee's consideration
- Traded fixed income bonds in a simulation, gaining insights into macroeconomic influences and refining skills in risk management and portfolio allocation

COVER Networks, Marietta, GA:

Summer 2023

Finance/General Management Intern

- Analyzed and distilled complex legal language present in existing contracts to create one-page summaries, facilitating seamless communication of critical customer information to technology platform sales representatives
- Conducted in-depth reviews and analysis of company financial data, enabling accurate predictions of future earnings
- Provided instrumental support in migrating customer information from a legacy billing tool to an advanced cloud-based platform
- Contributed to the creation of market collateral, encompassing both digital and physical formats, to support effective promotional efforts

SCHOOL ACTIVITIES

Captain and Division I Scholarship Swim Student-Athlete *August 2021 - March 2025*

- Developed core time management skills by balancing 20+ hours of practice weekly and competitions with academic work)
- Directed team meetings, served as liaison between coaches and players, and managed task completion and conflict resolution
- Competed in the 2021-2022, 2022-2023, 2023-2024, 2024-2025 ACC Conference Championships
- Received Georgia Tech Swim and Dive Most Valuable Player award for the 2024-2025 season