

# SOPHIE FINKE

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## EDUCATION

### THE WHARTON SCHOOL, UNIVERSITY OF PENNSYLVANIA

*Master of Business Administration Candidate* | **First Year Honors**

Philadelphia, PA

Aug 2024 - May 2026

- Leadership: Women in Investing (Head of Sponsorships), Storytellers (CFO), TA (FNCE 6110), MBA Mentor (MGMT 2370)
- Activities: PE/VC Club, Finance Club, Wharton Hockey League Captain (Dangles), Ski & Snowboard, Roadrunners & Triathletes

### GEORGIA INSTITUTE OF TECHNOLOGY

*Bachelor of Electrical Engineering with Computer Science Minor* | **GPA: 3.8 (Highest Honors)**

Atlanta, GA

Aug 2016 - Dec 2020

- Leadership: Teaching Assistant, Special Projects Committee Chair for MOVE Georgia Tech, Stempower Executive Board Member
- Internships: Dynetics (2017), Siemens (2018), Aeris Communications (2019)

## PROFESSIONAL EXPERIENCE

### AMAZON

**Summer Finance Manager – Finance Leadership Development Program (FLDP)**

Seattle, WA

May - Aug 2025

- Improved Amazon Advertising sales commission accrual forecast accuracy by 17%, driving \$9.6M uplift to Q2'24–Q2'25 guidance
- Identified \$100K–\$12M monthly reconciliation gaps by leading cross-team review of Sales Incentive Compensation (SIC), Accounting, and FP&A processes; delivered 4-page process map detailing root causes
- Reduced true-ups and increased forecast precision by engineering Python-based accrual model with variance-pattern logic for one-offs such as terminations or corrections, replacing trailing averages and embedding calibration/validation for future cycles
- Cut update times and streamlined data flow by replacing manual PAX/Cognos pulls with Redshift SQL queries executed via Python/VBA, consolidating 150+ SIC spreadsheets into automated Excel Power Query updates across business units

### ROYAL BANK OF CANADA

**Quantitative Trading Associate – Quantitative Strategies Group, Index Desk**

New York, NY

Jan - Jul 2024

**Quantitative Trading Analyst**

Jun 2021 - Dec 2023

*Trading and Strategy Optimization*

- Boosted profitability and efficiency in \$3B+ index derivatives & ETF portfolio by transforming semi-systematic strategies with innovative signal- and rate-based processes
- Increased year-on-year P&L by automating 250+ processes in Excel, Python, and kdb+/q, capturing incremental edge and cutting decision-making time
- Launched innovative product strategies including BTICs and dividend futures, driving development and adoption of new platforms in collaboration with developer teams
- Enhanced trade sizing accuracy and execution speed through automated edge adjustment strategies

*Capital Management and Funding Oversight*

- Reduced funding delays by 2+ days and improved live leverage visibility through \$20B+ balance sheet management initiatives
- Optimized liquidity monitoring post-SVB by building and launching real-time coverage tracker, adopted by 4+ teams firmwide
- Reduced costly funding errors during rate hikes by developing real-time balance sheet visualization to monitor every trade and eliminate inter-department data discrepancies
- Doubled ETF upgrade swap limits by partnering with Toronto Treasury desk, expanding intraday trading capacity

*Leadership and Talent Development*

- Improved intern retention and performance by leading recruitment and training as intern manager for two years

**Summer Analyst – Index Desk and Event-Driven Strategies Desk**

May - Aug 2020

- Developed model to predict S&P E-mini futures two minutes after market open based on pre-open imbalances
- Investigated and reverse engineered hedge fund strategies for Closed End Fund trading; backtested to verify

## ENTREPRENEURIAL & LEADERSHIP

- **Beaver Creek Ski & Snowboard School, Certified Ski Instructor:** taught skiing fundamentals to children ages 5–14, designing engaging drills to accelerate learning
- **Susie B's Gluten-Free, Co-Founder:** launched and scaled online dessert company to \$25K+ in sales, building Shopify site and executing targeted digital marketing campaigns
- **Foursquare Education, Co-Founder & Executive Director:** created financial literacy case competition program reaching 500+ foster youth, directed game developers and designers in proof-of-concept video game for virtual case expansion

## SKILLS & INTERESTS

- **Technical Skills:** Python, SQL, VBA, q, KDB+, MATLAB, C++, C, MIPS, Node.js
- **App Development:** Built iOS and React-based web apps, including automated data upload integrations with Workiva via API
- **Certifications:** SIE, Series 7, Series 57, Level 1 Ski Instructor (PSIA), Certified Yoga Instructor, AFAA Group Fitness Instructor
- **Languages:** French (proficient)
- **Interests & Personal:** Snow skier, marathon runner, avid baker; two-time RBC holiday “row decorating” champion