GUNNAR BALCH

404-357-0921 • gunnar.balch@emory.edu • linkedin.com/in/gunnarbalch • github.com/mosgus

EDUCATION

EMORY UNIVERSITY, GOIZUETA BUSINESS SCHOOL Atlanta, GA
Master of Finance *December 2026*
- Clubs and Leadership: CFA Society Atlanta

UNIVERSITY OF GEORGIA, SCHOOL OF COMPUTING Athens, GA
Bachelor of Science in Computer Science *December 2024*
- Clubs and Leadership: UGA Economics Society, Outreach Chair
- GPA: 3.5/4.0

SELECTED PROJECTS

UNIVERSITY OF GEORGIA, SCHOOL OF COMPUTING Athens, GA
Market Simulator and Visualizer *Spring 2025*
- Engineered a Python-based market simulator to evaluate portfolio performance from user-defined trade orders
- Implemented key performance metrics like Sharpe Ratio, Cumulative Return, Daily Returns, and Std. Dev, benchmarked against indexes for analysis, incorporating commissions, market impact, and cash/stock tracking
- Developed visualization tools with Matplotlib to plot portfolio and benchmark trends, enabling risk-return evaluation and performance insights

AI-powered Portfolio Analyzer *Fall 2024*
- Developed Python-based portfolio evaluator integrating YFinance, NewsAPI, and OpenAI's GPT API to analyze portfolios using media sentiment & financial metrics like Sharpe Ratio, Beta, & Volatility to generate risk assessments
- Implemented NLP-driven sentiment analysis with TextBlob and GPT to quantify market sentiment, benchmark sentiment scores, and provide investor-ready synopses
- Automated portfolio ingestion and reporting workflows, scaling evaluation for multiple assets with CSV input and structured risk-assessed output

EXPERIENCE

INTERNATIONAL CONFERENCE ON AI IN FINANCE (ICAIF) New York City, NY
Webmaster and Assistant Coordinator *2024 to Present*
- Led and coordinated 30+ volunteers, optimizing workflows and ensuring high-quality support across multiple event locations
- Oversaw registration and check-in operations for 400+ participants, streamlining processes to improve efficiency and attendee experience
- Manage and maintain 7 ICAIF websites, supporting 10K+ monthly site visits and ensuring consistent functionality and user experience

BENNETT'S MARKET AND DELI Atlanta, GA
Cashier & Line Cook *Spring 2020*
- Served as cashier and line cook, handling customer transactions, preparing food orders, and monitoring inventory to ensure smooth operations
- Managed concurrent responsibilities in a fast-paced environment while maintaining accuracy and efficiency

ADDITIONAL INFORMATION
- Certifications: Bloomberg Market Concepts;
- Student Pilot: Training toward FAA Private Pilot License; logged 15+ flight hours including takeoff, landings, & nav
- Foreign Languages: English (Native), German (Fluent), Spanish (Basic)
- Programming Languages: Java, JavaScript, HTML, React, C, C++, Python, SQL, MongoD
- Tools: AutoCAD, Tableau, Excel, Photoshop, Premiere, Github, Unity, AWS, OVHcloud
- Volunteer Work: Food Bank of Northeast Georgia
- Interests: Basketball, fishing, aquarist, video production and photography, and culinary arts