GUNNAR BALCH

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EDUCATION

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

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 seven ICAIF websites, supporting 10K+ monthly site visits and ensuring consistent functionality and user experience

EMORY UNIVERSITY, GOIZUETA BUSINESS SCHOOL   Atlanta, GA
Teaching Assistant   *January 2026 to Present*
- Selected to serve as Teaching Assistant for ISOM-356 'Think Code Make', BUS-390 'Tableau' , and FIN-321 Economics & Finance of Film supporting a total of 250+ students
- Facilitated weekly office hours to assist students with Python, Excel, Tableau, & Raspberry Pi as well as assignment troubleshooting
- Collaborate with faculty to grade student exams and assignments

ADDITIONAL INFORMATION

- Certifications: Bloomberg Market Concepts; Bloomberg Finance Fundamentals; Tableau Essential Training
- Student Pilot: Training toward FAA Private Pilot License; logged 15+ flight hours including takeoff, landings, & nav
- Foreign Languages: English (Native), German (Fluent)
- Programming Languages: Java, JavaScript, HTML, CSS, Python, SQL, MongoDB
- Datasets: Yahoo Finance, FRED, WRDs, Eikon, LSEG, NOAA, WHO
- Tools: Tableau, Excel, Photoshop, AutoCAD, Fusion, Premiere, GitHub, Unity, AWS, OVHcloud
- Volunteer Work: Food Bank of Northeast Georgia; Emory CFA Ethics Challenge presenter
- Interests: Basketball, fishing, aquarist, video production and photography, and culinary arts