

Eleanor Stenberg

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Professional Experience

Oregon Quant Group

Director of Finance

Fall 2025 – Present

- Oversee financial planning and resource positioning for quantitative research initiatives and technical project teams.
- Managing partnership and sponsorship with industry firms to support operational strategy for modeling initiatives, data access, research tooling, and student research pipelines.

Technical Analyst

Summer 2025 – Present

- Investigating predictive corporate-event sentiment spillover on market indices to forecast NASDAQ post-launch performance.
- Building sentiment-based trading strategy using Python frameworks to normalize 50,000+ equity price data points, combined with statistical models leveraging probability distributions on sentiment derived returns, volatility metrics, and trading volume.
- Backtesting derived strategy on trading models to identify predictive relationships, examining alpha prospects in product launch signals to signal potential edge.

QuackHacks

Software Engineer

Fall 2025 – Present

- Developing backend services to provide user registration systems, data collection workflows, and authentication networks.
- Engineering internal tools, REST APIs, and webpages utilizing Flask, React, JavaScript, Python, and [Node.js](#) managed within GitHub streams.
- Engineering SQL-backed systems in AWS hosted environments to generate application scalability for 260+ participants with feature updates and infrastructure improvements.

Oregon Software Consulting

Software Engineer

Winter 2025 – Present

- Driving technical architecture and system development solution designs for concurrent client engagements, focusing in JavaScript, React, and AWS, concentrating API integration and backend microservice design.
- Implementing external data integration systems to streamline communication systems and cloud storage workflows using Flask, Java, and Python.
- Engineering SQL-backed data pipeline systems that supported AWS-hosted workflow integration and data access for returning users.
- Supporting four client projects per term, converting client requirements into structured technical architecture and detailed development specifications utilizing JavaScript and Java.

University of Oregon, Computer Science Dept.

CS111 Learning Assistant

March 2025-June 2025

- Led weekly 1:1 and group tutoring sessions of 15 students on programming projects, debugging, and lab assignments, assisted the professor by providing structured feedback on lecture pacing and lab alignment, leading to a ~25% increase in average student project completion rates.
- Recommended enhancements to quizzes and exams (e.g., adjusting difficulty balance, adding practical coding tasks such as quizzes and homework assignments to more effectively measure comprehension.) specialized in JavaScript, HTML, and data structures/algorithms.

Projects

Stock Analysis Software Project

- GUI application in Tkinter that utilizes user input on stock tickers and parameters for analysis.
- Leveraged yfinance to fetch real-time and historical financial data (open, high, low, close, volume, etc.) and perform field normalization for user-friendly formatting.
- Implemented data analysis functions including historical price visualization, moving averages, and trend detection (“ride-the-trend” strategy)

Portfolio Optimizer

- Python-based stock portfolio optimizer, retrieves real market data using yfinance and computes metrics on stocks, including returns, volatility, Sharpe Ratio, Sortino Ratio, VaR, and alpha to analyze optimal investment dispersion.
- Designed scalable data pipelines to audit returns and Value at Risk, in dynamic timeframes(6M, 1Y, 5Y), maximizing risk-adjusted investments.

Skills

- Languages: Python, C, JavaScript, CSS, HTML, Java
- Frameworks: GitHub, Linux, Tkinter, REST APIs, pandas, matplotlib, NumPy
- Databases: SQL(MySQL), Linux/ Unix
- Relevant Courses: Discrete I&II, Calculus I,II,III, Linear Algebra I & II, AP Statistics

Education

B.S. Computer Science, Minor in Mathematics — University of Oregon (Expected Graduation 2027)

- GPA: 3.5
- Summit Scholarship, Academic Excellence