Stephenia Browe

Quantitative Developer

Details

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Profile

Dedicated Quantitative Developer with 1 year of experience in designing, implementing, and optimizing mathematical models, algorithms, and software solutions for complex financial problems. Adept at analyzing large data sets, developing quantitative strategies, and collaborating with cross-functional teams. Proven skills in programming languages such as Python, C++, and SQL, with a strong foundation in statistical analysis, machine learning, and data visualization. Passionate about leveraging quantitative methods to drive informed decision-making and enhance business performance.

Employment History

Quantitative Developer at Montana Technical Solutions, MT

Feb 2023 - Present

- Developed and implemented a cutting-edge algorithmic trading system that increased trading efficiency by 25% and generated an additional $2 million in annual revenue for Montana Technical Solutions.
- Optimized existing financial models and reduced computation time by 40%, leading to faster decision-making and a 15% improvement in overall portfolio performance.
- Spearheaded a cross-functional team to create a robust risk management framework, resulting in a 30% reduction in potential losses and improved regulatory compliance for the firm.

Associate Quantitative Developer at Advanced Technology Group, MT

Sep 2022 - Dec 2022

- Developed and implemented a proprietary algorithm for optimizing trade execution, resulting in a 15% reduction in transaction costs and saving the firm $2 million annually.
- Streamlined the data analysis process by designing and deploying an automated Python-based tool, reducing the time spent on data extraction and pre-processing by 30%, and increasing team productivity by 20%.
- Collaborated with cross-functional teams to identify and address performance bottlenecks in the existing risk management system, leading to a 25% improvement in system efficiency and a 10% reduction in operational risk.

Education

Master of Science in Quantitative Finance at Montana State University, Bozeman, MT

Sep 2017 - May 2022