MA

MICHAEL ANDERSON

LEAD HPC DEVELOPER

CONTACT

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📍 San Francisco, CA

SKILLS

- R
- Python
- Java
- SQL
- Financial Modeling
- Risk Assessment
- Parallel Computing
- Data Analysis

LANGUAGES

- English
- Spanish
- French

EDUCATION

MASTER OF FINANCIAL ENGINEERING, FINANCIAL UNIVERSITY

ACHIEVEMENTS

- Awarded Best Innovation in Finance for developing predictive financial models.
- Recognized as Top Performer in the company for two consecutive years.
- Published research on algorithmic trading strategies in leading finance journals.

PROFILE

I am an accomplished High Performance Computing Developer with more than 10 years of extensive experience in the financial services industry. My expertise lies in applying high-performance computing techniques to create predictive models and risk assessment tools that enable financial institutions to make data-driven decisions.

EXPERIENCE

LEAD HPC DEVELOPER

FinTech Solutions Inc.

2016 - Present

- Architected high-performance models for risk assessment that reduced processing time by 50%.
- Developed and optimized trading algorithms using R and Python for quantitative analysis.
- Collaborated with financial analysts to refine model requirements and outputs.
- Implemented data pipelines for real-time analytics on market data.
- Conducted performance assessments and tuning of HPC systems to enhance throughput.
- Trained and led a team of 8 developers in adopting HPC best practices.

HPC ANALYST

Global Banking Corp.

2014 - 2016

- Developed algorithms for high-frequency trading that increased profitability by 30%.
- Designed and implemented data visualization tools to present complex financial data.
- Worked with a cross-functional team to ensure compliance with financial regulations.
- Performed risk analysis simulations using high-performance computing techniques.
- Maintained and improved existing HPC infrastructures for optimal performance.
- Authored technical documentation for internal and external stakeholders.