

Marcus Lin

Senior Algorithm Engineer

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Professional Summary

Senior Algorithm Engineer with over 10 years of experience designing advanced algorithms for large-scale systems, including optimization, machine learning, and high-performance computing applications.

Skills

Algorithm Design, C++, Python, Parallel Algorithms, NP-Hard Problems, Optimization Techniques, Numerical Computing, Graph Theory, Machine Learning, Profiling & Performance Tuning, Cloud-Scale Algorithm Deployment

Experience

Senior Algorithm Engineer - QuantumLogic Systems (2018 - Present)

- Designed scalable algorithms for real-time recommendation engines and route optimization.
- Led development of a graph analytics framework used in network security.
- Published technical papers and mentored algorithm researchers.

Algorithm Specialist - Stratovate Technologies (2012 - 2018)

- Solved high-complexity scheduling and optimization problems.
- Implemented parallelized C++ algorithms for simulation platforms.

Education

Ph.D. in Computer Science, University of California, Berkeley, 2012