Andrew Kaminer

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Education

Georgia Institute of Technology **Atlanta, GA**
MS in Computer Science (BS/MS Program) January 2027 - May 2028

- **Concentration:** Computing Systems
- **Relevant Coursework:** Advanced Operating Systems, High Performance Computer Architecture

Georgia Institute of Technology **Atlanta, GA**
BS in Computer Science August 2022 - December 2026

- **Concentrations:** Machine Learning and Theory
- **GPA:** 3.61 / 4.00 - Highest Honors
- **Awards:** Men's Rowing - 2025 National Champion, 7x Dean's List, 2025 GT AISI AI Safety Fellow
- **Relevant Coursework:** Advanced Algorithms, Computer Organization, Efficient Machine Learning, Linear Algebra 1 and 2, Number Theory, Programming Languages, Systems and Networks

Work Experience

Palantir Technologies **New York City, NY**
Incoming Software Engineer Intern June 2027 - August 2027

Amazon Web Services **Seattle, WA**
Software Engineer Intern, AWS Console Analytics Team June 2026 - August 2026

- Enhanced experience for **300 AWS Service Owners** by building distributed persistence layer for a console analytics agent that aggregates analytics data for all of AWS using AgentCore, DynamoDB, Java, and Lambda

The Trade Desk **Boulder, CO**
Software Engineer Intern, Real-Time Bidding Team May 2025 - August 2025

- Leveraged C#, NVIDIA Triton, and ONNX Runtime to enhance distributed machine learning inference service, capable of handling **~15 million requests per second** with gRPC and maintaining **<100ms p99 latency requirement**
- Created ETL pipelines using Airflow to transport daily-updating ML models

Georgia Pacific **Atlanta, GA**
Software Engineer Intern, Advanced Analytics Group May 2024 - August 2024

- Built new LLM agent architecture using Amazon Bedrock, saving **$720,000** per year in AWS costs and reducing application rollout time by roughly **10x** on **100+ sites**
- Work featured in talk at **AWS re:Invent 2024**

Projects

Trading @ GT Competition Infrastructure | *C++ 20, Drogon* September 2026 - Present

- Building high-throughput (targeted 8000 requests per second) exchange for 80+ competitors competing for **$5000**
- Owned order routing, event bus, and OHLC data publishing

File Compression Service | *C++ 20, snappy-c* September 2026 - October 2026

- Used POSIX shared memory and message queues to build simple file compression service
- Built C++ library to allow synchronous or asynchronous service access from C++ applications

Fixed Point Number Implementation and Optimization | *C++ 20, Google Benchmark* June 2026 - July 2026

- Derived and benchmarked multiple implementations of fixed-point numbers
- Reduced latency of arithmetic operations from 2.3 ns to 0.3 ns (7.7x speedup) using Google Benchmark

Skills

Performance Tools: Godbolt, Google Benchmark, perf command, Valgrind
Languages: C#, C++ (17/20), Java, SQL, Python
Networking: Drogon, gRPC, HTTP, Smithy, TCP, UDP
Machine Learning: NVIDIA Triton, ONNX Runtime, PyTorch
Databases: DynamoDB, PostgreSQL, Redis
Cloud Infrastructure: Airflow, AWS, Grafana, Prometheus
Linux: 5 years daily driver (Arch, Fedora, Ubuntu)