Andrew Jiang

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Education

New York University   **Expected 05/2026**

B. A. Computer Science, Mathematics, Psychology

- **Coursework**   Data Management & Analysis, Applied Internet Technology, Cybersecurity, Linear Algebra, Optimization, Numerical Computing, Probability & Statistics, Real Analysis, Cognitive Neuroscience, Perception

Experience

Software Engineer Intern   **06/2025 – 08/2025**

Disney Streaming

- Developed multiple agentic features into Felix, an internal tool with 200 DAUs for subscriber account lookup & creation
- Implemented low-latency, agentic search supporting multi-keyword and natural language queries
- Built a data pipeline processing ~20k chats/day from Disney+ and Hulu support chatbots using LLM-derived conversation quality metrics, and an interactive dashboard with a query interface to enable non-technical users to "chat with the data"
- Created an internal prompt management library to facilitate collaboration on LLM-based tools (e.g., email drafting, code generation, summarization), complete with instant prompt testing
- Compiled robust evaluation suites for unit and end-to-end testing to measure agent reliability and response quality
- Demonstrated ownership over full feature lifecycles and translated high-level product goals into engineering deliverables
- Tech stack: Next JS, AI SDK, Datadog, AWS Aurora & RDS, PostgreSQL, Prisma

Software Engineer Intern   **05/2024 – 07/2024**

StairMed

- Developed a lightweight ML model to de-noise emitted neural signals from the embedded BCI device with 99% accuracy
- Created a real-time visualization service using React to display data at 10mb/s, implementing the websocket protocol and a circular buffer to handle streaming requirements from the BCI device
- Used GitLab CI/CD to streamline project deployments to production environment
- Tech stack: Python, PyTorch, CUDA, React, GitLab

Software Engineer Intern   **06/2023 – 08/2023**

Intuitive Surgical

- Focused on upgrading and monitoring data pipelines and ETL processes for surgical robot logs and status monitors
- Migrated heartbeat service for Da Vinci Series X & Xi, decreasing payload size by 25% and extending monitored parameters
- Developed comprehensive unit and integration tests to ensure the functionality and consistency of AWS services
- Tech stack: Python, AWS S3, RDS, Splunk

Projects

Machine Learning Stock Trader [repo]

- Developed a machine learning-driven stock trading system that combines LightGBM classification and multi-horizon LSTM models to predict stock price movements across 5-60 minute timeframes with uncertainty quantification
- Implemented real-time data streaming infrastructure with WebSocket connections and REST API fallback, processing live market data from Alpaca Markets API with rolling buffers and health monitoring
- Built comprehensive feature engineering pipeline with technical indicators (momentum, volatility, volume analysis) and time-series cross-validation to prevent look-ahead bias in model training
- Tech Stack: Python, PyTorch, LightGBM, Alpaca Markets API, Claude Code

LLM Browser Extension [repo]

- Built a browser-based AI agent with cross-tab memory and flexible input (highlighted text, media, URLs)
- Created interface to configure LLM provider, parameters, and additional capabilities (web search, image gen, custom tools)
- Extended functionality by providing MCP integrations, voice mode, token tracking, and conversation exports
- Tech stack: React JS, Material UI, Web Speech API

Job Application Agent [repo]

- Developed an robust agentic workflow to automatically apply to Greenhouse & Ashby postings using resume information
- Created a data pipeline to apply to job postings, and a simple UI to monitor progress and troubleshoot errors
- Tech stack: Python, Pocketflow, Playwright

Technical Skills

Languages	Python, JavaScript, TypeScript, Go, Java, C/C++, SQL, Git, Linux, Bash, Julia
Technologies	React, Next JS, Jupyter, Docker, AWS, Kubernetes, CUDA, Tensorflow, PyTorch, Jira