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, 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 lookup & test account 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
- Created 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, Postgres & 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 99.9% 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

Deep Learning Chess Bot

- Built a chess bot that achieved over 2400 ELO when tested against lichess engine testing
- Developed a CNN-Transformer network for move prediction, and trained on 275 million positions from the lichess database
- Made the model UCI-compatible and connected it to lichess api for evaluation
- Tech stack: PyTorch, AWS S3, Berserk (lichess API)

Agentic Browser Assistant (inspired by Claude for Chrome, continue.dev)

- Built a browser extension that embeds a helpful learning to assist users
- Developed intuitive tools and shortcuts for users to pass text, images, videos, and links from their browser to the agent
- Created an interface for users to configure their model providers, system prompts, and other settings
- Tech stack: Python, OpenAI SDK, Claude Code SDK

Job application automation (more MCP focused)

- greenhouse, ashbyhq integrations
- agents/workflows/orchestration
- cover letter generation based on templating
- Tech stack: Python, Pocketflow

Technical Skills

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