

# JUNMING QIU

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*Software engineer with expertise in scalable backend systems and cloud infrastructure. Experience in real-time financial systems and user-facing AI applications. Track record of delivering projects end-to-end in fast-paced, cross-functional teams.*

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## EDUCATION

### NYU Tandon School of Engineering

Bachelor of Science in Computer Science, Minor in Finance

Brooklyn, NY

May 2023

- **GPA:** 3.90, *Magna Cum Laude*, *Dean's List 2019-2023*

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## EXPERIENCE

### Factset

New York, New York

#### Software Engineer II

July 2023 - Present

- Designed and led implementation of an LLM-powered chatbot, helping secure a \$100,000+ contract with pilot clients. Collaborated with product managers to expand data integration and chatbot capabilities. (C#, Semantic Kernel)
- Engineered Factset's first retrieval-augmented generation and semantic search platform. Developed pipeline to preprocess and index documents in realtime, creating the first LLM-enhanced dataset available to customers. (FastAPI, Elasticsearch, Lambda)
- Enhanced realtime financial news streaming and alerting pipelines used by 130,000 monthly active users, resolving 95% of client issues within the same day. (C++, Elasticsearch, Java, AWS RDS)
- Built internal dashboard which tracks and aggregates live product usage data from core services. Used by the sales teams to visualize and explore performance metrics. (Grafana, InfluxDB, AWS Lambda)

### TIAA

Charlotte, North Carolina

#### Software Engineer Intern

Jun 2022 - Aug 2022

- Enhanced observability platform by standardizing metric collection, creating dashboards, and validating data sources. (Kubernetes, Grafana)
- Refactored metrics collection using regex filtering, reducing server memory usage by 30%. (Prometheus)
- Provisioned a WebLogic application across multiple staging and production environments for the dev team. (Java, MySQL)
- Collaborated with senior engineers to automate deployment workflows. (Terraform)

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## PROJECTS

### Everyday Juror

May 2024 - Present

- Developed a full stack platform to help personal injury lawyers predict and visualize their chances of winning jury trials based on juror demographics. (FastAPI, MongoDB, React)
- Implemented a machine learning pipeline to train prediction models and optimized CPU heavy workloads with asynchronous processing. (Pytorch)
- Used LLMs to scrape and clean training data from the internet. (LangChain, Playwright)

### Automated AI Content Generation

Jan 2024 - May 2024

- Automated creation and video editing of AI TikTok videos. Received ~50k views in three weeks. (MoviePy, Gradio, Python)

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## SKILLS

**Languages:** Python, C/C++, Java, C#, Javascript

**Frameworks:** FastAPI, Semantic Kernel, Langchain, Flask, Django, Pytorch, React

**Infrastructure:** AWS (RDS, Lambda, EC2, CloudFormation, SQS), Elasticsearch, Redis, InfluxDB

**CI/CD:** Terraform, Git, Github Actions

**Observability:** Grafana, InfluxDB, Kibana, Prometheus

**Other:** Agile Software Development, SCRUM

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## CERTIFICATIONS

### Amazon Web Services

- Cloud Practitioner CLF-C02
- Solutions Architect SAA-C03

Feb 2024

Aug 2025