Junyu Li

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EDUCATION

HOFSTRA UNIVERSITY   Hempstead, NY

Dual Degree in Computer Science

Master (GPA 4.0 / 4.0)   Jan 2025 – Dec 2025

   Concentration in Artificial Intelligence

Bachelor of Science (GPA 3.8 / 4.0)   Sep 2022 – May 2025

   Concentration in Networking and Cybersecurity

Queensborough Community College | AS in Computer Science (GPA: 3.8 / 4.0)   Sep 2019 – Jun 2022

EXPERIENCE

SafeClick – AI-Powered Phishing Detection System   Apr 2025 – Present

Lead Software Engineer

- Designed and engineered a multi-stage AI-powered phishing detection system (URL structure analysis → sandbox evidence → LLM-assisted interpretation) to systematically reduce false negatives in zero-day attack scenarios.
- Implemented deterministic, code-enforced risk scoring and schema-constrained validation (Pydantic) to bound probabilistic LLM outputs and preserve security guarantees.
- Architected a domain reputation caching and scan-job deduplication system, significantly reducing inference latency and API costs for concurrent requests.
- Led a 5-engineer team through the full system integration, evolving the project from a winning hackathon entry toward a production-oriented security service.

Belle SPA Inc – Huntington, NY

IT Support Specialist (On-Prem AI Deployment)   May 2023 – Present

- Designed and deployed a local LLM-based translation tool using Ollama to support daily customer communication.
- Configured on-prem model inference on idle hardware to reduce recurring SaaS costs and keep sensitive data internal.
- Managed system setup, deployment, and reliability improvements based on real operational use.
- Maintained core networking and office infrastructure (routers, Wi-Fi, CCTV, endpoints) to ensure uninterrupted operations.

PROJECT

Long-Document LLM Pipeline for Financial Research – Hofstra University   Sep 2025 – Dec 2025

Software Engineer

- Designed and implemented a MapReduce-style pipeline with semantic chunking to enable stable, bounded-context processing of 20k-word documents for researchers, ensuring consistent outputs under strict context limits.
- Integrated schema-constrained generation (Pydantic) to enforce structured outputs, treating LLMs as unreliable components to prevent silent data corruption from malformed responses.
- Developed idempotent, resumable pipeline stages with self-repair logic, allowing long-running summarization jobs to recover from partial failures without full reprocessing.
- Engineered fast-fail validation and explicit failure boundaries, ensuring high-fidelity data extraction that maintains integrity for downstream system consumption.

SKILLS

Languages: Python, TypeScript, SQL, C++
AI/ML: LLM Orchestration, Pydantic, Semantic Chunking, Prompt Engineering, GGUF, MapReduce, Idempotent pipelines, System Design
Infrastructure: Docker, MongoDB, GCP, Local LLM Deployment, CI/CD, RESTful APIs

HONORS AND ACHIEVEMENTS

1st Place & Most Secure Project, Hofstra-Pensar Hackathon (2025)

3rd Place, Business Competition: Foundations of Leadership & Innovation (Pitched to VCs) (2024)

Provost's Scholars (2024) & Dean's List (2022-2023), Hofstra University