Jean Park

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Education

New York University Courant Institute of Mathematical Sciences　　　　　**2028**
B.A. in Computer Science and Mathematics Honors with an Economics Minor　　　New York, NY

- **Coursework:** Machine Learning, Theory of Probability, Multivariable Calculus, Linear Algebra, AI 1, AI 2, Web/Mobile Application Development, Microeconomic Analysis, The Business of Data Centers

Thomas Jefferson High School for Science and Technology　　　　　**2024**
Advanced Studies Diploma and Thomas Jefferson Diploma　　　　　Alexandria, VA

Experience

Grand Charter (DearLegal)　　　　　**Jun 2025 — Aug 2025**
Software Engineer Intern　　　　　New York, NY

- Architected and implemented a token-based dispute resolution and refund pipeline using TypeScript, Node.js, and PostgreSQL, eliminating manual case triage and reducing operational overhead by 30%
- Refactored frontend components in React (TSX) with state normalization and memoization; instrumented end-to-end audit logging and analytics via PostHog for traceability, failure diagnosis, and behavioral insights

Freshriver.ai　　　　　**Oct 2024 — Feb 2026**
Software Engineer Intern　　　　　Remote

- Designed and deployed LLM-powered demand forecasting and recommendation pipelines using PyTorch, HuggingFace Transformers, and vector embeddings, reducing food waste estimates from 30–40% to 20–30% through predictive modeling
- Built a production-grade inference API in Node.js/Python with schema validation, retrieval-augmented generation (RAG), and confidence filtering to mitigate hallucinations and enforce deterministic outputs for downstream systems

Octavate　　　　　**Apr 2025 — Jul 2025**
AI Engineer/Product Manager　　　　　Remote

- Created training corpus of 5K+ unstructured artist news using NLP to construct a training corpus for talent prediction models
- Trained and deployed scoring models using PyTorch to evaluate artists on a proprietary "X-factor" metric; launched a low-latency chatbot and API that reduced hallucinations by 40% and evaluated 1K+ artists in production

Infrastructure Masons　　　　　**Sep 2023 — Present**
Student Ambassador/Data Center Researcher　　　　　Alexandria, VA

- Designed a hyperscale data center architecture achieving 99.999% uptime and 20ms round-trip latency for 60M mobile users
- Secured $150K in funding for iMasons at Yotta 2025, a global data center conference with 5000+ industry attendees
- Enabled NYU access to 8/16-GPU AI training clusters, scheduling for large-scale ML workloads on second-life Meta servers

Extracurriculars

NYU Stern Business Analytics Club　　　　　**Jan 2025 — Present**
ML Team Director and Engineer/Quantitative Finance Team Analyst　　　　　New York, NY

- Designed and trained a transformer-based lo-fi music generator from scratch in PyTorch, implementing custom tokenization
- Applied game theory, probability, and stochastic modeling in trading simulations, developing risk-adjusted strategies
- Developed Where2Meet, an optimal meeting-location engine with BERT, word vectorization, and geospatial optimization

Skills

- **Programming Languages:** Java, JavaScript/TypeScript, Python, C/C++, SQL, HTML, CSS, Node.js, React, Flask
- **Tools:** Arduino, Onshape, Google Apps Script, Git, Unity, Copilot

Awards and Honors

- 1600/1600 SAT (0.07% of students who received a perfect score) and US Presidential Scholar Candidate
- Selected for Point72 Academy Spring Sessions: Learned the essentials of hedge funds and analyst positions
- 4x Gold Presidential Volunteer Service Awards (2021-24, 1500+ service hours)