

Kevin Steiger

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Education:

New Jersey Institute of Technology Honors College

2022-Dec 2026

B.S. in Computer Science, Applied Mathematics

Cumulative GPA: 3.75 – *Dean's List, Pi Mu Epsilon Math Honor Society*

Professional Experiences:

RTX Fintech & Research (CFTC-regulated Swaps Execution Facility)

Fall 2025

Software Developer Co-op

- *Built an internal trade analytics dashboard analyzing order to fill ratios, trade equivalence, and volume across a variety of interest rate swap instruments, improving visibility into execution quality.*
- *Implemented a market data dashboard, aggregating swap data repository (SDR) data for market research and client use.*
- *Leveraged GitHub Actions & Docker to deploy dashboard on AWS EC2 Instances in various environments.*
- *Improved stability of automated QA tests using Playwright and Typescript, reducing manual regression testing time from days to 4 hours.*

Milliman

Data Science Intern

Summer 2025

- *Implemented a multithreaded C# pipeline to generate 250K text embeddings in 30 minutes, enabling large-scale semantic representation of database records.*
- *Leveraged ChromaDB's ANN-backed search (FAISS/HNSW) to cluster embeddings and compute 250,000 cosine similarities in 15 minutes, delivering a solution scalable to millions of records*
- *Deployed current production model of GPT-4.1 mini-instance, and improved response-time using multi-threading optimization.*
- *Curated datasets and fine-tuned GPT-4.1 mini model enhancing model accuracy and analytical depth.*

Cravath, Swaine & Moore, LLP

Summer 2024

IT Infrastructure Intern

- *Utilized PowerShell and Cisco Webex REST API to automatically sync Webex groups with Active Directory Distribution groups for more than 100 users, reducing manual sync time to near zero.*
- *Analyzed third party network security policies, access management parameters, and ISO and SOC-2 certifications to confirm compliance with firm infrastructure security standards.*

Open Innovation Open Science Lab

2023-2024

Research Assistant

- *Conducted NLP analysis with BERTopic and NLTK to assess user sentiment on AI and ChatGPT.*
- *Co-authored a research paper accepted by the Hawaii International Conference on System Sciences (HICSS).*

Select Technical Projects:

Algorithmic Trading Project:

- *Developed a program to paper trade equities using an SMA indicator & P/E ratio evaluating upside.*
- *Built trading infrastructure and data processing pipeline using Polygon, and Alpaca APIs for data retrieval and trade execution.*

Toggl Data Analysis Project:

- *Developed a Python-based automation tool for data processing, visualization and analysis of weekly time distribution using Pandas and the Toggl REST API.*
- *Scheduled weekly reports and ensured uptime with Mailgun API for delivery, crontab for automation, and deployment on a Digital Ocean cloud server.*

Skills:

- **Languages:** Python, SQL, TypeScript, Rust, Bash Scripting, C++, C, C#, PowerShell, Java
- **Libraries & Tools:** Next.js, React, Postgres, Docker, NumPy, Pandas, Matplotlib, scikit-learn, Excel
- **Systems & Concepts:** CI/CD, Git, Github, Linux, REST APIs, Multithreading, Open MPI, NLP