

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