

Cristi Savca

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SKILLS

Languages: Python, SQL, JavaScript, Bash, C++, Java

Technologies: Agile, ASTs, Cassandra, Cursor, ETL, FastAPI, Figma, Firebase, Git, HuggingFace, Jira, LlamaIndex, Matplotlib, Multiprocessing, Node.js, NoSQL, NumPy, OAuth, OpenAI, Pandas, PostgreSQL, PyQt6, React, Redis, REST APIs, Seaborn, Selenium, Supabase, Undetected ChromeDriver

EXPERIENCE

Bank of America

Software Engineer I Officer

New York, NY

Feb 2025 – Present

- **Co-led a 4-person engineering team** to deliver an average **~2,400% processing speed improvement** across the Traded Products Calculators ETL pipeline by vectorizing legacy logic using **QzTables (proprietary data library)** across **34 production Python scripts**
- **Co-founded and delivered the department's first approved AI business case**, an internal regulatory document chatbot now serving **12+ teams** across Enterprise Risk & Finance Technology
- **Designed and implemented a baseline capture and regression validation framework**, serializing function-level inputs and outputs to **ensure correctness at scale**
- **Led code reviews and mentored teammates** through large-scale vectorization efforts, ensuring **production-ready implementations and robust test coverage**

Software Engineer I

Feb 2024 – Jan 2025

- **Built initial version of regulatory document chatbot**, implementing document ingestion, embedding pipelines, retrieval logic, caching, and context memory using **HuggingFace LLMs, LlamaIndex, FastAPI, Redis, and Angular**
- **Increased unit test coverage to 90%+** across **24 Python modules**, improving reliability and deployment safety prior to production rollout
- **Supported development, integration testing, and production environments** for the Traded Products ETL platform by diagnosing data issues, fixing defects, and responding to operational incidents

Software Engineer Intern

Aug 2023 – Dec 2023

- Developed a SQL formatting tool by using syntax analysis, abstract syntax trees, and custom recursive traversals
- Automated manual data searching tasks and OODB processes using python, regex, and internal modules
- Documented the Traded Products core ETL process from data ingestion and flow to calculators and outputs

PROJECTS

Nora – Healthy Baby Products

May 2025

- React Native app with over **5,000** scraped baby products from major online retailers to help new parents identify healthy baby products. Generated safety scores based on lab test data and chemical composition of over **2,000** unique ingredients and materials
- Designed and implemented a unified scraping and normalization pipeline to ingest unstructured retailer data, enforcing consistent schemas and reliable population of a central products database
- Features include a barcode scanner, product search, product suggestions, and aesthetic interface with item photos, details, and favorites tab, made with React Native, Supabase, Node.js, and OAuth

Akira – Purchasing Bot for Target & Walmart

Feb 2025

- Built an automated shopping tool that bypasses anti-bot systems using stealth browser injection, dynamic proxy extension generation, and human input behavior, achieving **95%** checkout rate across Target/Walmart accounts
- Supports **100+** concurrent browser sessions using Python multiprocessing with shared state management, real-time status updates, and clean exit handling while processing purchase attempts with **sub-2s** reaction time

LEADERSHIP EXPERIENCE

Google Developer Student Club

President

New York, NY

Sep 2022 – May 2023

- Grew our club from **320** to **562** members at Hunter College through organizing LeetCode workshops, resume reviews, advising sessions, and in-person networking events to upskill underclassmen and promote opportunities

EDUCATION

Hunter College, City University of New York (CUNY)

Bachelor of Arts in Computer Science, Minor in Mathematics

New York, NY

Aug 2020 – May 2024