Steven Rogers Python Developer

www.linkedin.com/in/StevenHRogers

Education

St. John's University, Queens, NY
Master of Science in Computer Science (Sep 2022-Dec 2024)
Bachelor of Science in Computer Science (Sep 2019-May 2023),
Magna Cum Laude,
Minor in Fine Art

Work Experience

Google via GlobalLogic (Based in Austin, TX), Remote
Python Engineer (Mar 2024-Feb 2026)

- Contracted by Google to curate data used by its large language model, serving over 10 million users.
- Improved AI model accuracy by identifying and correcting flawed Python-generated responses, ensuring adherence to company-defined principles, leading to a 22% increase in model factuality.
- Created training data to teach the model how to use Python as a tool for retrieving, processing, and structuring data for accurate responses to user queries.
- Stress-tested model performance by crafting complex Python-related queries, identifying failure points, and refining generated code for improved response quality.
- Flagged responses that violated company principles, contributing to continuous model enhancement and ethical AI development.

St. John's University
Data Analyst (Feb 2022-May 2023)

- Developed backend code for an NLP research group specializing in structuring medical notes.
- Cleaned and processed datasets for use in a machine learning model that automatically structures ethically sourced clinical notes.

Projects

- **Serverless AI Chatbot RAG System (2024)-** Created a serverless RAG AI Chatbot that was augmented with scraped data from St. John's University's website, leveraging AWS for a serverless implementation, and storing document embeddings in a Pinecone vector database to improve accuracy of university related chats.
- **AI-Assisted Plant Watering Robot (2025)-** Developed a full-stack, autonomous AI-assisted plant watering system using Raspberry Pi SBCs that monitor environmental and soil conditions, water the plant, diagnose plant disease/nutrient deficiencies, and suggest remedies using both professional and household items.
- **Autoencoder for Detecting Impressionist Art Style (2024)-** Designed, trained, and validated an image autoencoder in TensorFlow to identify impressionist artwork by analyzing reconstruction loss as a classification signal.

Contact

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Skills

Software Development
Artificial Intelligence
Backend Development
Full Stack Development
Machine Learning
Public Speaking
UI/UX Design
Database Management
Game Development
Computer Vision

Languages

Python
Java
SQL
JavaScript
HTML
CSS

Technologies

Windows
Linux
MacOS
Git/Github
Bash
AWS
Embedded Systems
Raspberry Pi
FastAPI
Flask
RESTful API's
LangChain