

Yonathan Daniel

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EDUCATION

Columbia University

Master of Science, Computer Science

May 2024

New York, NY

- Natural Language Processing, Machine Learning, Artificial Intelligence, Introduction to Databases, Cloud Computing and Big Data, Applied Machine Learning, Analysis of Algorithms, High Performance Machine Learning, Private Systems, Computer Vision II

The Pennsylvania State University

Bachelor of Science, Computer Engineering

May 2021

University Park, PA

- Dean's List (4 Semesters)
- Operating Systems, Microcontrollers and Embedded Systems, Digital Image Processing, and Data Structures and Algorithms, Computer Architecture

SKILLS

Languages: Python, Java, C/C++, Go/Golang, JavaScript, TypeScript, SQL, MATLAB, Bash, Rust

Tools: Git, Flask, Django, Postman, Numpy, JUnit, PySpark, Pandas, Matplotlib, Sklearn, Weights and Biases, CUDA, PyTorch, TensorFlow, Keras, Slurm, Spring, Boot, React, Next.js, LangChain, MongoDB, DynamoDB, Stripe, Metabase, ONNX Runtime, WebAssembly

Infrastructure: AWS, GCP, Kubernetes, Linux, Docker, Vercel

PROFESSIONAL EXPERIENCE

Another

Software Engineer

Feb 2025 - Present

New York, NY

- Led end-to-end migration from Metabase to custom analytics dashboards built with React/shadcn charts, reducing monthly costs from \$100 to \$0 while delivering tailored buyer, seller, and internal business analytics with improved performance and customization
- Coordinated with product and design teams to implement Stripe checkout (TypeScript/Next.js API Routes) with dynamic pricing objects, webhook handling (user access updates), and localized success/cancellation flows
- Architected a Flask-based serverless automation system on Vercel for XLSX file processing, migrating from YAML-based template parsing to embedding-based matching, increasing format detection flexibility and accuracy

PROJECTS

CLI Coding Agent

Software Engineer

Sept 2025 - Oct 2025

New York, NY

- Built intelligent terminal assistant with AI agent architecture featuring multi-step planning, context memory, and cross-platform OS detection (Windows/macOS/Linux) with shell awareness (PowerShell/bash/zsh)
- Integrated LLM-powered natural language processing to translate plain English instructions into executable commands, reducing command lookup time and enabling developers to interact with codebases through conversational prompts via OpenRouter API
- Implemented tool use system for file operations (read/write), command execution, and Git integration, enabling autonomous code assistance with project structure awareness

Image Style Transfer Web App

Software Engineer

Aug 2025 - Sept 2025

New York, NY

- Built browser-based neural style transfer application with React/Next.js frontend and Rust/WebAssembly backend for client-side ML inference, ensuring complete user privacy with no server-side processing
- Accomplished WebGPU-accelerated ONNX Runtime for real-time transformation with automatic fallback to WebGL/WASM for cross-browser compatibility
- Designed efficient image processing pipeline in Rust handling pre-processing (resize, normalize) and post-processing (blend) operations, achieving hardware-accelerated performance with adjustable strength controls