

# Yonathan Daniel

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## EDUCATION

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### 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

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**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

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### 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

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### 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