

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

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

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

PROFESSIONAL EXPERIENCE

Another Come Up

Software Engineer (contract)

Feb 2025 - Present

New York, NY

- Led the integration of Metabase dashboards into Next.js admin portal (TypeScript) via iframe/auth tokens, providing real-time KPIs (revenue, conversion rates) with role-based access controls
- 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
- Designed and executed an ETL pipeline (Python/Supabase) with automated pandas transformations and plots, enabling founders to track growth trends and replacing manual SQL queries and Excel reports, reducing reporting time by 50%
- Authored detailed internal documentation covering the integration of Next.js, Metabase, Stripe, and Supabase, outlining architecture, workflows, and best practices to streamline onboarding, enhance team collaboration, and ensure consistency across services

ACADEMIC EXPERIENCE

Derma AI+

Backend Developer

Aug 2023 - Dec 2023

New York, NY

- Co-developed a CNN-based image classifier in TensorFlow on SageMaker as part of a 4-person team, setting up an API endpoint for Lambda to deliver real-time predictions with 86% accuracy across diverse skin conditions
- Supplied a Doctor Recommendation service by web scraping doctor information and leveraging the model's predictions to filter relevant profiles from New York, allowing users to schedule appointments via a real-time chat service
- Performed the end-to-end integration of a WebSocket-based chat system leveraging API Gateway and Lambda, enabling real-time communication between doctors and patients, while optimizing AWS infrastructure for enhanced performance and scalability

Smart Photo Album

Full Stack Developer

Oct 2023 - Nov 2023

New York, NY

- Engineered a serverless photo ingestion pipeline using AWS Lambda, S3, and Amazon Rekognition to auto-extract labels and index both detected and custom metadata into Elasticsearch, pre-loading search data to cut query latency
- Built a voice/text search interface utilizing the Web Speech API, API Gateway, and Lambda to query Elasticsearch—achieving sub-300 ms response times and improving accessibility
- Streamlined development process by implementing CI/CD with AWS CodePipeline, triggering Lambda and frontend updates for each GitHub push, cutting deployment setup time by 40%
- Delivered Infrastructure as Code (IaC) via AWS CloudFormation to facilitate hands-free provisioning of core services (S3, Lambda, API Gateway), ensuring scalable and repeatable deployments