

Haley Lifrieri

halifrieri@gmail.com | 551.574.3397 | linkedin.com/in/haleylifrieri/ | github.com/halifrieri | haleylifrieri.com

EXPERIENCE

Koi

Founding Engineer

New York, NY

Sept 2024 – Present

- Architected end-to-end reconciliation pipelines using AWS Bedrock to automate parsing, normalization, and validation of high-variance financial documents, achieving >98% accuracy.
- Designed production-grade infrastructure with Terraform and Temporal for workflow orchestration, ensuring high availability for mission-critical services.
- Led product delivery for enterprise analytics tools, translating stakeholder requirements into high-performance data visualizations and automated reporting workflows.
- Led the company from early-stage to SOC2 Type 2 compliance by architecting secure AWS/Azure infrastructure, implementing automated vulnerability remediation workflows (AWS Inspector/Vanta), and establishing rigorous data privacy/encryption standards.
- Built complex internal tooling, including a Reconciliation Case Manager and an automated financial dashboard suite, significantly improving dev velocity and operational efficiency.
- Established engineering best practices including CI/CD automation and technical mentorship while managing data governance for sensitive financial datasets.

CoordHealth

Developer/Consultant Intern

New York, NY

May 2024 – Aug 2024

- Developed MVP for pilot web and mobile healthcare applications; consulted on design and management based on interviews with industry professionals.
- Consulted the design, development and management of the app based on data collected from interviewing industry professionals including physicians as well as target user and tangential audiences

Harvard T.H. Chan School of Public Health

Research Assistant

Boston, MA

Jul 2023 – Aug 2023

- Developed R scripts to clean and harmonize health incidence data with remote-sensing climate measures for a public health database.

EDUCATION

Harvard College

B.A. Computer Science | Language Citation: Spanish

Cambridge, MA

March 2024

Relevant Coursework: Artificial Intelligence, Algorithms & Limitations, Theory of Computation, Design of Usable Interactive Systems, Probability, Mathematics for Computation.

SKILLS

Cloud & Infrastructure: AWS (Bedrock, Lambda, S3, IAM, VPC, CloudWatch), Azure (APIM, Instances), Terraform (IaC), CI/CD Pipelines (GitHub Actions), Security & Compliance (SOC2 Type 2, Vanta, Network Security/WAF)

AI, Data & Backend: Python, SQL, Hasura, PostgreSQL, Workflow Orchestration (Temporal), Generative AI (Prompt Engineering/LLMs), REST API Design, ETL/OCR Pipelines

Frontend & Product: React.js, JavaScript/TypeScript, Figma (Prototyping & UI/UX Design)

Certifications & Languages: Azure AI Engineer Associate, EMT-B; Fluent in Spanish, Italian (Int.).

PROFESSIONAL DEVELOPMENT

The Harvard Crimson

Associate, Tech Board

Cambridge, MA

Sept 2020 – Dec 2024

- Worked to maintain the newspaper's online website and build upon the current codebase to support future growth

Harvard Open Data Project

Member

Cambridge, MA

Jan 2021 – Dec 2024

- Analyzed the effects of COVID-19 on the electricity usage of the upperclassmen Harvard houses

Other Affiliations: Women in CS, Harvard Computing Society, Cuban American Student Association.