Elijah Lewis
Machine Intelligence & Web Technologies

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 Github
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Education.

University of Virginia   **2019**
Bachelors in Computer Science
Awarded High Distinctions for my machine learning research

Experience.

Technical Cofounder, 4RL ⚏   Apr 2024 - Present (3m)
Designed mockups and built prototypes for an AI-powered social toolkit addressing the loneliness epidemic. Managed multiple roles including fundraising, sales, & operations. Engaged 100+ users.

Founder, Codestache ⚏   Sep 2022 - Apr 2024 (1y 7m)
Founded Codestache, an independent software engineering company. Created Modal 🔗, a featured product on Product Hunt. Developed AI MVPs for early-stage startups.

R&D Team Lead, Epic ⚏   Sep 2019 - Jul 2022 (2y 10m)
Led the infrastructure team in developing a new app achieving ~20,000 lab orders monthly. Migrated code to React + scaled for ~250 million patient records exchanges per month. Redesigned app UI to enhance clinical training which became the company's fastest-growing educational resource

Software Engineer Intern, Epic ⚏   May 2018 - Aug 2018 (3m)
Developed a backend data visualization feature to enhance medical research on social determinants of health. Designed the entire data model, enabling detailed analysis and insights for researchers

Research.

Attrition Prediction to Reduce Anxious Thinking, UVA 🔗
Identified high-risk patients with ML that would be optimized to 91% accuracy

Search Engine Sentiment Analysis of Customer Reviews, UVA
Scaled research network by migrating to microservice architecture

Projects.

Internet of Things Search Engine 🔗
Developed a tool for campus maintenance workers to search sensor data for temperature, CO2 levels, etc

Bookish 🔗
AI semantic search engine with over 9,000 books to show unique ways of using LLMs

Dex 🔗
Personal contacts manager to keep track of networking connections

Immigration Data Visualization 🔗
Analyzed how US immigration has changed over the years

Technologies.

Databases
SQL, MySQL, Postgres, Mongo, Vector databases

Web
Javascript, Typescript, NextJS, Astro, SolidJS, React, React Native, Electron, HTML, Amazon AWS, Serverless Stack (SST), Supabase, REST, RPC, Go, CSS, TailwindCSS, Sass/Scss, Bootstrap, Figma

Machine Learning and Artificial Intelligence
Python, NumPy, OpenAI, LangChain, Pinecone, HuggingFace