


# Elijah Lewis

Product Oriented Full-Stack Software Engineer

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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)  


- Developed mockups and prototypes for an AI-powered social toolkit, tackling the loneliness epidemic
- Oversaw diverse responsibilities including fundraising, sales, and operations
- Engaged over 100 users, validating the product's market fit

*PostgreSQL Supabase Typescript NextJs Astro React AWS SST Tailwind CSS Figma*

**Founder, Codestache**  Sep 2022 - Apr 2024 (1y 7m)  


- Founded Codestache, an independent software engineering company focused on prototyping MVPs for emerging startup opportunities
- Developed [Modal](#) , a productivity SaaS application that gained significant traction and was featured on Product Hunt


*MySQL Typescript NextJs React React Native Electron AWS SST RPC Tailwind CSS Figma*

**R&D Team Lead, Epic**  Sep 2019 - Jul 2022 (2y 10m)  


- Directed a new infrastructure team processing 20,000 lab orders monthly
- Migrated to React, scaling for 250 million patient records exchanges per month.
- Transformed the UI to enhance clinical training, establishing it as the company's top-performing educational tool of the year
- Managed projects, team operations, and people; participated in sales calls and conducted on-site hospital visits to gather user feedback

*Javascript Typescript React C# M Sass/Scss CSS Balsamiq*

**ML Researcher, UVA**  Aug 2018 - May 2019 (9m)  


- Developed an algorithm identifying high-risk anxiety patients for the MindTrails clinical psychology program, optimized to 92% accuracy & implemented on ~1000 participants in production
- Published findings in the Journal of Medical Internet Research ([JMIR](#)) 


*Python NumPy Pandas scikit-learn SQL*


**Software Engineer Intern, Epic**  May 2018 - Aug 2018 (3m)  

- Developed a backend data visualization feature to enhance medical research on social determinants of health enabling detailed analysis and insights for researchers

*Javascript C# MSSQL*

**# Projects.** **Digital Icebreaker**   
Early prototype for 4RL that could be used at events, meetups, and conferences  
*PostgreSQL Supabase Javascript Typescript NextJs React AWS SST Tailwind CSS Figma*

**Bookish**   
AI semantic search engine with over 9,000 books to show unique ways of using LLMs  
*Vector Databases Pinecone HuggingFace LangChain Python*

**Dex**   
Personal contacts manager to keep track of networking connections  
*SQLite SolidJs AWS SST REST Go Tailwind*