

MATTHEW LI

SENIOR SOFTWARE ENGINEER

Senior Software Engineer with 6+ years of experience designing and developing scalable, user-focused web applications. Specialized in building front-end interfaces with Angular and back-end services with Node.js, with recent expertise integrating LLM-powered features into healthcare data platforms.

CONTACT

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(Location): Boston, MA

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SKILLS

TypeScript

JavaScript

Angular

Node.js

Python

Elixir

Playwright

SQL / PostgreSQL / BigQuery

Tailwind CSS

Material Design

TOOLS

Figma / Sketch / Canva

Claude Code

GitHub Copilot

Gemini Code Assist

EDUCATION

Master of Science in Engineering in Artificial Intelligence | University of Pennsylvania | In Progress - Expected May 2028

Bachelor of Arts in Computer Science | Hunter College | 2019

INTERESTS

Cooking

Competitive Gaming & Poker

WORK EXPERIENCE

Senior Software Engineer

Verana Health

January 2026 - Current

- Designed and built the frontend experience for AI-assisted abstraction by partnering with product and medical teams to translate clinical workflows into an intuitive Angular interface that surfaces LLM-extracted data points for oncologist review.
- Reduced manual abstraction effort for oncologists by engineering prompts that leverage foundational LLMs to extract clinical data points from patient documents, such as pathology reports, using zero-shot and few-shot in-context learning.
- Accelerated LLM evaluation and validation by designing and implementing agentic workflows that automatically curate and verify test sets of clinical documents, replacing manual review.

Senior Software Engineer

COTA, Inc

February 2020 - January 2026

- Scaled the platform to support thousands of concurrent projects by leading the full-stack design and implementation of the user interface and RESTful APIs for a project lifecycle management tool.
- Provided stakeholders with actionable metrics and reliable reports for data abstraction processes by developing accessible UI features to capture precise average handling times.
- Improved data abstraction efficiency by designing and implementing a user interface for document and text annotations using an active NLP learning model.
- Streamlined auditing processes and provided stakeholders with clear insights into over 100,000 audits, by designing a new UI feature set that replaced inefficient manual methods.
- Increased platform quality assurance and reliability by compiling and maintaining a comprehensive integration test suite using Puppeteer JS for an Angular application.
- Simplified role and permission management across platforms and enhanced security protocols by working cross-functionally to develop a central user management hub integrated with Auth0's API.

Software Engineer Intern

Nearpod

June 2018 - August 2018

- Developed educational technology software in an Agile environment, working closely with educators to align software features with real-world classroom needs.
- Enhanced user experience on Nearpod's web application by collaborating with cross-functional teams to design and deploy a new accessible navigation system.
- Improved application performance and memory management by migrating Nearpod's lessons library from AngularJS to React with Redux for global state management.
- Developed a prototype for an equitable classroom product by researching with educators to integrate mood-tracking features, aligning the software's design with real-world classroom needs to improve student engagement.