MATTHEW LI
SENIOR SOFTWARE ENGINEER

Senior Software Engineer with over five years of experience designing and developing scalable user-focused web applications. I have developed user-friendly front-end interfaces and robust back-end services using Node.js and Angular.

CONTACT

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(L): Boston, MA

SKILLS

Typescript

Javascript

Angular

Node

Elixir

SQL

Playwright

Figma

Canva

Sketch

Tailwind CSS

Material Design

EDUCATION

Hunter College 2019

Bachelor of Arts in Computer Science

INTERESTS

Cooking

Competitive Gaming & Poker

Working Out & Meditating

WORK EXPERIENCE

Senior Software Engineer
COTA, Inc
2020 - Current

- Scaled project management for thousands of projects by leading the full-stack design and implementation of a comprehensive project lifecycle management tool.
- Implemented the integration of OpenAI's GPT APIs into the abstraction platform to automate structured data extraction from clinical documents and reducing reliance on manual review.
- Provided stakeholders with actionable metrics and reliable reports for data abstraction processes by developing 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 accessibility navigation system.
- Improved application performance and memory management by migrating Nearpod's library from AngularJS to React and implementing state management with Redux.
- 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.

PROJECTS

Disney World Restaurants Reservation Checker
2024

- Developed a Playwright script to navigate Disney's website and scrape restaurant availability.
- Integrated Twilio for user notifications via SMS.

Tiny Tooth Oasis
2024 - Current

- Designed an SEO-friendly application for a pediatric dental clinic using Next.js and incremental static regeneration, ensuring a dynamic and responsive user experience.