

RICHARD GATCHALIAN

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PROFESSIONAL EXPERIENCE

Aoede LLC

Software Engineer (Full-Time) (On-Site)

Missouri City, TX, USA

March 2024 - Present

- Build out web tools using NextJS for real estate software (Appfolio).

Carboncopies Foundation

Part-Time Web Developer (Remote) (Part-Time) (Volunteer)

San Francisco, CA, USA

February 2024 - Present

- Build out scalable AI chat service for Promoting Research and Development for Whole Brain Emulation
- Utilize NextJS and retrieval augmented generation technology to capture context of over 10,800 pdf document pages.

Code Ninjas

IT (Part-Time) (On-Site)

Katy, TX, USA

August 2023 - Present

- Teach children 2D/3D physics engines programming in Javascript and C# (Unity).

Vertix Fellows

Software Engineer Fellow (Part-Time) (Remote)

Berkeley, CA, USA

February 2024 - April 2024

- Typescript and Generative AI in a start up environment of around 10 developers.
- Built out unique authentication API layer for low-cost AI API queries utilizing a NextJS backend with an Expo front end.

PROJECTS & OUTSIDE EXPERIENCE

DollarDiagnosis

NextJS Web Developer

Houston, TX, USA

October 2023 - December 2023

- A Generative AI mental health service application hosted on GCP
- [Link to project](#)

1st Place Calmify Anxiety App

AI API Web Developer

Richardson, TX, USA

April 2023 - March 2023

- Created a successful app to manage anxiety attacks through fixed point meditation, earning 1st place in the Hack AI Generative AI Category.
- Integrated StyleGan-XL on AWS Sagemaker to generate high-quality calming videos in real-time,
- Implemented Spacy and GPT 3.5 Turbo to deliver personalized content and responses based on user input.
- Developed a dynamic web app using Flask for seamless user interactions.
- [Link to project](#)

Professional Musician Website

NextJS Web Developer

Denton, TX, USA

May 2023 - June 2023

- Developed an engaging website for a tuba player using TailwindCSS, NextJS, and Prisma
- Incorporated features such as email storage and dynamic calendar event display to enhance fan interaction and event.
- [Link to project](#)

YouTube Transcript API Google Chrome Extension

Artificial Intelligence Society Mentor

Richardson, TX, USA

September 2022 - December 2022

- Mentored 7 other developers in building a Generative AI Google Chrome Extension that summarizes YouTube videos.
- As of September, 2023, Bard AI now has a feature called "Bard Extensions" where we can chat about YouTube videos.
- [Link to project](#)

SKILLS & INTERESTS

Skills: Next.js, AWS, Git, HTML/CSS, Microsoft Azure, TypeScript, SEO, Python NLTK, Natural Language Processing (NLP), AngularJS, .NET, C#

Interests: Data Analytics, Full-stack Web Development, Generative AI in Psychiatry

EDUCATION

University of Texas - Dallas

Bachelor's, Software Engineering