RICHARD GATCHALIAN

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EDUCATION

University of Texas - Dallas   **August 2018 - December 2022**
Bachelor's, Software Engineering

PROJECTS & OUTSIDE EXPERIENCE

DollarDiagnosis | www.dollardiagnosis.com   **Rice University**
Software Engineer   *October 2023 - Present*
- A Generative AI mental health application hosted on AWS infra.

Professional Musician Website | dearmantuba.com   **Denton, Texas**
Freelance Web Development   *May 2023 - May 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.

1st Place Calmify Anxiety App: UTD 24 Hour Hackathon   **Richardson, Texas**
Software Engineer   *April 2023 - April 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.

Image Generation Web | t3-discord-art.vercel.app   **Katy, Texas**
Software Engineer   *January 2023 - February 2023*
- Built text-to-image Discord Art Gallery application that sends generative AI images directly to a user-facing website with NextAuth.
- Utilizing local GPU, NextJS, Stable Diffusion, and MySQL AWS RDS for a robust, low cost, and efficient web app to Discord chat communication.

YouTube Transcript API Google Chrome Extension   **Richardson, Texas**
Software Engineering Mentor   *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.

PROFESSIONAL EXPERIENCE

Code Ninjas   **Tanglewood, TX, USA**
IT   *August 2023 - Present*
- Increase the company's Fall weekly revenue by at least 20 percent
- Manage IT troubleshooting, video editing, teaching C++ programming 1 on 1, monitoring system for staying on task, and teaching up to 16 students.
- Earning certifications while working.

SKILLS & INTERESTS

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

Interests: Google Advanced Data Analytics Certificate (85% complete), Meta Front-End Developer Professional Certificate (10% complete), Google UX Design Professional Certificate (10% complete), ASP.NET Core 6 and Angular: Full-stack Web Development (50% complete)