

**Richard Gatchalian**

Houston, Texas | Email: [ricgat523@gmail.com](mailto:ricgat523@gmail.com) | Phone: 832-340-6636 | GitHub: [richard523](https://github.com/richard523) | [chard.vercel.app](https://chard.vercel.app)

**Career Objective:** A software engineer eager to apply strong problem-solving skills and a passion for technology to deliver innovative solutions. Excited to leverage analytical abilities and an aptitude for detail to make meaningful contributions as part of a dynamic team. Always curious and always exploring both the new and old ways of doing things!

---

**Work/Academic Experience:****<Code Ninjas Tanglewood | Aug 2022 to 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.

**<Artificial Intelligence Society Mentor | Fall 2022>**

- Collaborated with a team of 7 developers to lead an AI natural language processing project.
  - Streamlined project workflow through the implementation of a ticket system for MLOps, API Development, and AWS tasks, reducing roadblocks by over 50%.
- 

**Relevant Projects:****<Professional Musician Website | 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 management.
- Ensured modularity in design for easy future expansions, including merchandise shop and subscription plan.

**<1<sup>st</sup> Place Calmify Anxiety App: UTD 24 Hour Hackathon | 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.

**<ASP.NET Core 6 and Angular: Full-stack Web Development | March 2023>**

- Received mentorship from Valerio Sanctis, a Microsoft Most Valuable Professional with over 15 years of experience.
- Explored advanced concepts in Angular and .NET development, including Angular Material, authentication, authorization, and pagination.

**<Image Generation Web App | Feb 2023>**

- Utilizing NextJS, Stable Diffusion, and MySQL AWS RDS for a robust and efficient web app.

**<YouTube Transcript API Chrome Extension | Spring 2022>**

- Employed AWS for data analysis to enhance the functionality of the Chrome extension.

**<Resume App | Fall 2022>**

- [chard.vercel.app](https://chard.vercel.app)
  - AWS hosted. Redis storage for comments.
- 

**Education:** Bachelor of Science, Software Engineering | University of Texas at Dallas | Class of 2022

**Technical Skills:**

- Proficient: Angular, Entity Framework Core, Python Data Analytics, AWS, Prompt Engineering
- Familiar: NextJS/React, Linux, C++, MySQL, Microsoft SQL Server

**In Progress (Estimated Completion: Sept 22nd):**

- Google Advanced Data Analytics Professional Certificate

**TBD:**

- Rice University's HackRice 2023 in September
- Meta Front-End Developer Professional Certificate
- Google UX Design Professional Certificate