

**Richard Gatchalian**

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**Career Objective:** Recent graduate with a Bachelor of Science in Software Engineering from the University of Texas at Dallas, seeking a challenging and rewarding position as a Software Developer. Proven ability to solve complex technical problems with elegant solutions. Passionate about using technology to make a positive impact on the world.

**Work/Academic Experience**

- 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.

**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 dotnet development, including Angular Material, authentication, authorization, and pagination.

-Image Generation Web App | Fall 2023-

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

-YouTube Transcript API Chrome Extension | Fall 2022-

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

-Resume App | Fall 2022-

- Developed a React and NextJS-based resume app with a Redis Database on AWS.

-2<sup>nd</sup> Place Computer Vision Mail Sort App: UTD 24 Hour Hackathon | Spring 2018-

- Employed YOLO Algorithm and image processing techniques to improve model accuracy by 2%.

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

**Technical Skills**

- Proficient: Angular, dotnet, C++, Python, R, C#, Entity Framework Core, Java, AWS, HTML, CSS, NextJS
- Familiar: Linux, MySQL, Microsoft SQL Server

**In Progress (Estimated Completion: Aug 30th)**

- Google Advanced Data Analytics Professional Certificate
- Google UX Design Professional Certificate
- Meta Front-End Developer Professional Certificate