

Robert Gracia

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Career Objective

I am a motivated developer with a passion for building software applications that solve real-world problems. I thrive in fast-paced and innovative environments and am driven by continuous learning, and growth. I am eager to contribute to teams where I can see the meaningful impact of my work, while staying on the forefront of modern technologies, regardless of role or environment.

Skills & Interests

Professional Skills

Adaptability, Creativity, Critical Thinking, Communication, Problem Solving, Self-Motivated, Attention to Detail, Teamwork, Well Organized

Technical Competencies

Adobe Suite, Microsoft Office, Figma, Python, Java, JavaScript, TypeScript, Express, React, MySQL, PostgreSQL, MongoDB, C, C#, PHP, Firebase, Vercel, Git & GitHub, Spring Boot

Educational Background

University of Texas, San Antonio

San Antonio, Texas

B.S. of Science, Computer Science - 3.85 GPA

August 2019 - December 2024

- Learned and developed foundational knowledge of software development principles and technologies, applying acquired knowledge to develop software solutions in hands-on projects with teams of like-minded students.
- Gained competency in discrete structures and algorithms, often implementing various widely used algorithms and analyzing runtimes and complexities, along with their applicable uses.
- Consistently developed best-in-class projects that routinely received high marks and praise from professors.
- Received **Honor Roll (8x)**, **Dean's List (3x)**, and **Presidents List (1x)**, honor titles while attending university.

Work Experience

Software Developer (Contract)

Remote

Cuatro44 Architecture Firm

October 2024 - Present

- Implemented a user-friendly and visually appealing front-end using NextJS, ReactJS, and the ThreeJS library.
- Developed system architecture design and backend logic for a dynamic building configuration application, allowing for the customization of building configuration documents to be reviewed by architectural engineers.
- Built out backend business logic to process user choices, query material/system databases, and compile documents for further review by an architectural engineer, reducing time consumed by modifying plans from client feedback.

Software Developer / AI Trainer

Remote

DataAnnotation AI

November 2023 - September 2024

- Used extensive knowledge of various programming languages to train and correct clients AI model responses.
- Optimized code blocks of various languages like Java, JavaScript, C#, or Python to improve runtime and memory use, while also quality checking other colleagues code for clarity and correctness.
- Built out basic web application components based on prompts or client requests, along with documentation on functionality and logic of the programs.

Creative Developer

San Antonio, Texas

Freelance Work

December 2019 - August 2023

- Developed web applications or static sites tailored specifically to client requirements with standard front-end resource stacks, along with some implementations of backends with ExpressJS, MongoDB, and PostgreSQL.
- Contributed to various communities with open-source projects, developing a passion for programming complex projects with motivated teams of fellow enthusiasts.
- Created extensive documentation and communication to help with maintenance or any further development of projects.

Crewmember, Team Lead

San Antonio, Texas

Dominos Pizza

October 2020 - May 2022

- Gained customer service and sales experience in a team-oriented environment, constantly working in a fast-paced environment while making sure delivery area customers received exceptional service, along with deescalating customer complaints and concerns.
- Helped assist with inventory management, planning deliveries of proper item stock, along with preparation and storage of ingredients to facilitate store operations for other teammates.
- Contributed to a consistent exceptional store rating franchise-wise while helping on the food line and delivering orders, often ranking in the top five of 70 franchise locations by delivery time, total deliveries, and profits.

Projects & Outside Experience

Electronic Ecommerce Store

Besterbuy Electronics

August 2023 - December 2023

- Responsible for developing user-interface, created mock-ups and wireframes before developing entirety of the site front-end for both clients and administrators, mainly using basic ReactJS, with some component libraries.
- Assisted and hosted server database and backend simultaneously on Firebase and Cloud Firestore, allowing web application to collect user, items, and order data in one database.
- Later assisted in backend logic implementation and improvements where necessary, lowering initial read and write usage of database by 35% from highest peak in testing.

LAMP Stack Application

Re-Vinylized

January 2023 - November 2023

- Developed an SQL server database to hold data for a vinyl store franchise project, creating data relations for customers, orders, employees, and inventory, along with advanced SQL functions to specifically query data across ~1,000 users, with scalability for many more.
- Further developed on top of the SQL server project to create a full-stack application with Apache, PHP, jQuery and Bootstrap on an AWS EC2 instance as an online interface for the vinyl store project, allowing for basic account creation, and purchasing of items, along with customer order history.

Deep Learning Galaxy Morphology Project

Galactic Deep Vision

January 2024 - May 2024

- Extracted 50,000 images from NASA Sloan Digital Sky Survey, Galaxy Zoo 1, and Galaxy Zoo 2 via SQL querying.
- Planned and developed CNN model with PyTorch, implementing optimizations such as batch normalizing, data augmentation, image pre-processing, early stopping/model checkpoints.
- Implemented easily readable graphs of statistics related to confusion matrix and overall accuracy of the model, achieving a high of 97.2 percent on testing set, the best performing score relative to other papers used as research on the same topic.