GERARDO RAFAEL BOTE

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EDUCATION

The University of Texas at Austin **May 2024**
Bachelor of Science in Computer Science, Bachelor of Science & Arts in Mathematics, Minor in Business GPA: 3.66
Relevant Coursework: Software Engineering, Machine Learning I & II, Modern Web Applications, Mobile App Design

SKILLS

Programming Languages	Java, Python, C, C++, HTML, CSS, JavaScript, R, SQL, Lightning Web Components, Apex
Frameworks/Libraries	Django, Git, React.js, Node.js, p5.js, CMake, NumPy, PostgreSQL, Bootstrap, PyTorch
Tools/Platforms	GitHub, Eclipse, Visual Studio Code, Tableau, Heroku, Salesforce, Snowflake, HuggingFace

EXPERIENCE

Goldman Sachs – *Engineering Summer Analyst* June 2023 - August 2023
- Automated keyword extraction processes for meeting notes with 78% accuracy through a Flask API.
- Organized business use cases into helping bankers identify certain interests and industries around meeting notes.
- Researched different Large Language Models and Text-to-SQL transformations to perform natural language queries and keyword extraction under fine-tuned prompts.
- Implemented Email Integration within Salesforce CRM by utilizing HTML forms and Apex custom classes.

Code Platoon – *Full Stack Engineering TA Intern (Remote)* May 2022 - September 2022
- Assisted 33 programming students with full-stack development projects.
- Taught full-stack web development and fundamentals of computer science, including Object-Oriented Programming, Data Structures, and Algorithms.
- Facilitated production-ready full-stack web applications from scratch individually and with Agile teams.
- Directed breakout room sessions to further students' understanding of curriculum after lecture hours.

UT Austin Computer Science Department – *Undergraduate Proctor* January 2022 - May 2022
- Spearheaded discussion sections for *Discrete Math* where we rehash topics learned during lecture and solve example problems to prepare students for exams.
- Assessed performance of 200+ students in their ability to apply concepts and evaluate expressions taught in *Discrete Math*.
- Clarified and supported students' understanding of difficult topics through help hours and on Piazza.

PROJECTS

UT Engineer's Week Hub August 2022 - February 2023
- Incorporated React elements into native HTML files to update redirection paths and links.
- Refactored React functionalities to include Bootstrap-specific features, like drop-downs and pick-lists.
- Redirected flow of information to cut latency time by 1 minute on average.

Connect2Health, *Freetail Hackers' Longhorn Hack for Humanity (WINNER: Best Overall Hack - First Place)* April 2022
- Formalized a chatbot using Microsoft Azure services to talk about resources regarding COVID-19 and U.S. Healthcare.
- Assisted with the implementation of the Google Maps Platform API into vanilla HTML files.
- Researched different HTML and CSS designs to properly showcase project features.
- Mobilized a team of beginner programmers to plan out the features of our resource website.

Envisage, *Freetail Hackers' Changeathon (WINNER: Best Community Change)* May 2021
- Implemented basic webpage elements for a static webpage through custom HTML and CSS files.
- Experimented with JSON files and their format to give the chatbot pre-determined responses, imported through Dialogflow.
- Researched specific Asian-American trends and statistics during the height of #StopAsianHate.

EXTRACURRICULARS

President – *Computer Science Transfers' Society (CSTS)* April 2022 - Present
- Coordinates with other officers to establish plans for each semester and fulfill the needs of each role.
- Establishes connections with other organizations and standards for club conduct around events.
- Developed high-interest prospectus sheets and an HTML website to garner interest for CS transfers.

Finance Officer – *Society of Asian Scientists and Engineers (SASE)* March 2022 - May 2023
- Brainstormed and implemented Asian-American-centered events for the organization to get outside funding.
- Collaborated with the Fundraising Chair to organize local fundraisers for the UT Austin chapter's general membership.
- Verified that there is enough engagement in utilizing multiple streams of income and expenses for the chapter.