Brian Gutierrez

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Education

2019 – MAY 12, 2023

Bachelor of Science in Computer Science/University of Texas at Rio Grande Valley, Edinburg, Texas - Institutional GPA: 3.43

- Membership Status of ACM (Association for Computing Machinery)
- UTRGV Hackathon and TAMUthon participant with an award for best beginner project

2017 – 2018

West Virginia Wesleyan University, Buckhannon, West Virginia

Project Experience

Connect Four AI. (2023 Senior Project, UTRGV) / Python, Django
Led the group to create a quick, near optimal Connect Four bot that performs on low end machines.

Bitcoin Calculator. (2023 Software Engineering II, UTRGV) / Flutter, Dart, CI/CD, Git
Mobile application to convert the real time Bitcoin price to USD and vice versa utilizing an API.

Mobile Foraging. (2022 Autonomous Mobile Robotics Programming, UTRGV) / ARGoS, C++
Programmed and simulated mobile robots to autonomously find and retrieve food in an environment.

Asynchronous Web Server. (2022 Systems Programming, UTRGV) / Rust
A web page developed individually in Rust that is able to handle multiple requests at once.

Simon Says AI Chat Bot Prompting (2023 Software Engineering II, UTRGV) / Python, Jupyter
Through TDD, developed a prompt to simulate a game of Simon Says. Using openai import on Jupyter notebook to modify the LLM for the given tasks while protecting against prompt attacks, the application was deployed through HuggingFace.

Skills

Programming Languages/ Python, Java, Dart, Ruby, C++, Rust
Software/ GitHub, Flutter, Android Studio, ARGoS, Jira, Linux(Ubuntu)

Work Experience

JUNE 2022 – AUGUST 2022

TexPrep UTRGV - Grader, Mentor, Coordinator/ Edinburg, Texas
Mentored a group of 12 students in their studies of logic, coding, and introduction to engineering. Oversaw weekly projects for 300+ students and graded all assignments for the 201 logic students.

JULY 2016 – NOVEMBER 2021

Gambas Seafood Grill - Assistant Manager, Server/ Edinburg, Texas
Coordinated schedules for front end employees. Checked and prepped food from incoming deliveries.