Logan Gatlin

San Antonio TX | logan@gatlintc.com | [My Website]

Project Experience

Rust (C Competitor Language) ……………………………… **2+ years experience**
- Host and maintain a website on my own hardware
- Built an HTTPS server from scratch to serve my website
- Created an HTML templating engine to generate my website's front-end
- Designed a safety-oriented assembly language and virtual machine
- Integrated my physics-based image processor into my website as an API
- Implemented the Cartesian product algorithm with 2X the performance of the most popular library alternative
- Built a high-performance Mandelbrot Fractal viewer native app (finalist project at RowdyHacks)

Python …………………………………………………….. **4+ years experience**
- Designed a heuristic stock trading algorithm capable of scraping web data and interacting with web APIs
- Created a "Pokédex" Tkinter app using data dynamically collected from the internet
- Helped create a video game with the Godot game engine, which won a week-long game development contest

Java …………………………………………………………. **4+ years experience**
- Used TensorFlow computer vision to autonomously control a robot for a state qualifying FTC Robotics team.

C/C++ ……………………………………………………… **2+ years experience**
- Classroom experience with a focus on debugging and inline assembly

Skills

- Comprehensive experience with C and similar languages
- Familiar with the web stack at a low level
- Practiced at writing concise documentation
- Highly effective communicator and leader; former state champion debater
- Extremely passionate about programming, regularly attending Hackathons and networking events

School and Work

University of Texas at San Antonio - *Graduating 2025*
Computer Science, specializing in Cyber Operations

Kumon Center on Wurzbach – *9/23 to 3/24*
Part time instructor. Teaching and creating lesson plans for elementary through high school math and reading. Manager Lynette Forero, reachable at sanantoniowurzbach@ikumon.com.