


NATHAN PENA

COMPUTER SCIENCE STUDENT

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Computer Science student at Texas State University (4.0 Major GPA) with a background in Python, C++, and Java. Experienced in automating business tasks through custom scripting and managing digital workflows. Seeking a technical internship to apply my problem-solving skills in a professional environment.

EDUCATION

Bachelor of Science in Computer Science

Aug 2024 - May 2028

Texas State University

- GPA: 4.0/4.0 (Major)
- Honors: Dean's List (Fall 2025)
- Minor: Communication
- Relevant Coursework: Data Structures & Algorithms, CS II, Object-Oriented Programming, Discrete Math II, Assembly Language

TECHNICAL SKILLS

- Languages: C++, Python, Java, SQL (Basic), HTML/CSS, MIPS Assembly
- Tools/Software: Git, Linux CLI, VS Code, Cursor, Salesforce CRM, Postman, Microsoft Excel
- Relevant Skills: OOP, Data Structures & Algorithms, REST APIs, K-Anonymity, Finite State Machines, Technical Communication

PROJECTS

Battleship Game Engine with FSM Opponent AI Bot | C++, Raylib*

- Engineered a fully playable Battleship game engine using Object-Oriented Programming, achieving O(1) hit-detection and sunk-ship tracking through cell-based observer pointers.
- Built an opponent AI using a Finite State Machine (FSM) and a queue to implement dynamic "Search" and "Destroy" combat algorithms.
- Integrated a Raylib-powered GUI for real-time radar animations and interactive grids, leveraging AI-augmented development specifically for the presentation layer.

Breach-Checkr | Python, REST APIs

- Developed a command-line cybersecurity tool in Python to query the "Have I Been Pwned" API and check user passwords against known data breaches.
- Implemented a K-anonymity security model, utilizing SHA-1 hashing to securely verify credentials without exposing the user's raw password over the network.

PROFESSIONAL EXPERIENCE

Real Estate Agent, Premier Agent Network

May 2025 - Present

- Managed the full rental process for residential properties, handling everything from the first lead to lease signing and tenant move-in.
- Built a custom Python script to automate email follow-ups for open house leads, significantly speeding up the marketing workflow for new listings.
- Analyzed buyer feedback during open houses to give clients practical advice on property pricing and market positioning.

Intern, HCM Staffing & Consulting

May 2022 - Aug 2022

- Produced training videos using AI generation tools for digital avatars, edited media assets together, and used automated software to create closed captions.
- Worked with a consulting team to roll out state-required training software and helped clients stay compliant with diversity regulations.
- Identified and contacted high-value prospects using cold calling and targeted outreach to build the sales pipeline.
- Updated and organized lead data in Salesforce, keeping the database clean and accurate for the senior consulting team.