Jared Baron Panares

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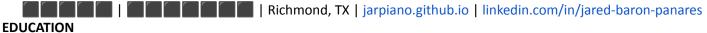
EDUCATION

The University of Texas at Austin, Austin, TX   2024 - Present
Bachelor of Science, Computer Science
> *Organizations: Information & Systems Security Society Cyber Scholar, Texas ACM Member*

WORK EXPERIENCE & RESEARCH

RSOC Security Student Analyst   May 2025 - Present
Information Security Office - University of Texas at Austin
- Gained hands-on experience in penetration testing and SOC analysis through Hack The Box labs and scenarios.
- Worked closely with a team of five to analyze logs in Splunk and design incident reports.

Java Programming Tutor   January 2025 - April 2025
Katy Stem Academy
- Taught introductory Java concepts to secondary school students across two curricula.
- Provided individualized feedback and encouraged diverse problem-solving approaches to build coding fluency.
- Designed lecture content, practical lab exercises, and practice quizzes to improve retention and academic performance.

Undergraduate Researcher   January 2025 - May 2025
Freshman Research Initiative - University of Texas at Austin
- Developed AI and ROS2 nodes in a Linux CLI environment using C++ and Python.
- Built color-based blob detection for object tracking in robot vision using OpenCV and PyTorch.
- Researched and deployed LLM backed autonomous service robot for library book search and user navigation.

PROJECTS

Bookie: LLM-Powered Autonomous Library Guide   2025
Co-developer
- Integrated Meta's LlaMa 3.2 3B language model with ROS2 nodes to develop a socially compliant service robot.
- Built an autonomous robot capable of real-time navigation and human-robot interaction in a library setting
- Engineered custom message queue and LLM-based processing pipeline to handle variable user input while maintaining task focus.

Capture-The-Flag Cybersecurity Competitions   2019 - Present
Independent
- Completed 200+ cybersecurity challenges across CyberStart America, PicoCTF, US Cyber Quest, etc.
- Utilized network analysis (Wireshark), digital forensics (Autopsy), and reverse engineering (Ghidra) software.
- Familiar with Ubuntu/Debian/Kali Linux VM installation, directory structure, and CLI tools.

Web Development Portfolio   2022 - Present
Independent and Various Organizations - https://jarpiano.github.io/
- Implemented responsive UI with Tailwind CSS, component libraries, and accessibility best practices.
- Optimized visibility using built-in SEO features, integration with Google Search Console and static site generation.
- Developed and deployed 5+ websites using Svelte/Astro Javascript Frameworks and the Hugo SSG alongside various CSS tools.

SKILLS

Technical: Java, Python, Powershell, Git, C/C++, Front-End (Svelte, Astro, Hugo), SQL, Networking, Linux (CLI), OpenCV, PyTorch, ROS2, Wireshark, Ghidra
Certifications: GIAC Certified Incident Handler Certification (GCIH); GIAC Security Essentials (GSEC); GIAC Foundational Cybersecurity Technologies (GFACT)
Training: SEC504 (Incident Handling); SEC40(Security Essentials); SEC275 (Foundational Security);