JACKSON NACE

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Education

University of Houston   **Graduation Date: May 2026**
Bachelor of Science in Computer Science   *Houston, Texas*
- Coursework: Data Structures and Algorithms, Computer Organization and Architecture, Object Oriented Programming, Statistics with R, Python, Discrete Mathematics, Mathematical Analysis, Linear Algebra, Calculus

Certifications
- Microsoft Azure Fundamentals (AZ-900)

Experience

University of Houston - School of Nursing   **August 2024 – Present**
IT Student Assistant   *Katy, Texas*
- Troubleshot and resolved issues during the department's upgrade via re-imaging from Windows 10 to Windows 11
- Installed and configured devices, strengthening skills in re-imaging, Active Directory, and BIOS troubleshooting.
- Utilized Excel to manage and maintain an inventory of 110+ devices, including Computers, Simulation Robots, iPads, Cameras and Printers ensuring accurate tracking and updates.

Lavner Education   **May 2024 – August 2024**
Computer Science Intern   *Houston, Texas*
- Independently led classes of up to 25 students in topics like High School C++, Python, Intro to AI, and multiple variations of Robotics classes. Ended my internship teaching over 200+ students.
- Successfully taught over 200+ students, effectively communicated to students with diverse technical backgrounds.

Coder Kids   **August 2023 – March 2024**
Programming Tutor   *Katy, Texas*
- Conducted 150+ personalized lessons for students aged 8-16, focusing on enhancing their programming skills.
- Adapted teaching to accommodate varied learning paces, boosting students' confidence and problem-solving abilities.

Projects

CodeRED Hackathon Club | *Next.js, Supabase, Docker, JavaScript, TailwindCSS, Postman*   **Website Link**
- Led a team of 2 web developers to create a website that successfully generated 250 signups for our hackathon.
- Built 8+ frontend components for our website, writing and maintaining an estimated 2000 lines of code.

Mockey Interview | *PostgreSQL, Node.js, Next.js, Express, TailwindCSS, Claude, Postman*   **Github Link**
- Engineered a mock interview game with Next.js and PostgreSQL, securing player data with password hashing and JWT.
- Integrated Claude AI as a virtual interviewer, offering real-time prompts and feedback on data structure tasks.

Bleach Game | *C++*   **Github Link**
- Created a turn-based battle system inspired by Bleach, with mechanics using inheritance and polymorphism.
- Developed a save/load system with file handling to ensure seamless continuation of gameplay sessions.

MarketMentor | *Python, React, Google Gemini, Postman, Auth0*   **Github Link**
- Developed and integrated the Google Gemini API, enabling seamless data retrieval and enhancing app functionality.
- Leveraged Postman to troubleshoot 7 API calls, ensuring smooth interaction between the frontend and backend.

Leadership

CodeRED Club   **March 2024 – Present**
Software Engineering Lead   *University of Houston*
- Collaborated with design and development teams to resolve technical issues and optimize workflows.
- Designed full-stack applications to manage applicant data, enhancing usability and functionality for 250+ participants.

Code [Coogs] Club   **August 2023 – August 2024**
Software Team Lead, Marketing Director   *University of Houston*
- Oversaw UHEvents development, managing GitHub repositories, resolving 30+ issues, and improving platform stability.
- Directed marketing efforts, increasing membership by 30% through targeted campaigns.

Technical Skills

Languages: Python, JavaScript, C++, SQL, R, Lua, TypeScript, HTML, CSS
Tools and Platforms: Azure, AWS, Linux, Windows, Docker, Git, Postman, Office 365
Other: Communication Skills, Leadership, Troubleshooting, Compliance, Problem-Solving, Technical Support, Customer Service