Noah Buchanan

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EDUCATION

Georgia Institute of Technology, College of Computing   Aug 2024 - May 2028
Rockdale Magnet School for Science and Technology (RMSST) and Rockdale Career Academy   Aug 2020 - May 2024
Weighted GPA: 4.77

WORK EXPERIENCE

- **Amazon Future Engineer Intern**   June 2025 – August 2025
- **Solo Freelance Web Developer: Rockdale Magnet Fund Website**   June 2024 – July 2024
  - I completely revamped Rockdale Magnet School's entire fund website. Designed, developed and deployed from scratch in HTML, Tailwindcss, and JS.
- **Solo Freelance Web Developer: Rockdale Career Academy Car Show Website**   February 2024 – March 2024
  - I designed, developed, and deployed my first commercial website for my school's car show.
- **Rockdale County Government Technology Services Intern**   August 2023 – May 2024
  - Working with multiple departments to learn, help, and provide creative solutions.
- **Rockdale Career Academy (RCA) IT Apprentice**   August 2021 – May 2023
  - Worked directly with the head of Intel on various related projects (repair, deployments, etc.).

LEADERSHIP EXPERIENCE

Project Inspire Technology   Jan 2022 – May 2024
- Program I initiated in 10th grade to introduce elementary school students to basic computer hardware and software, with the goal of getting them excited and curious about computers.
- I worked in collaboration with RMSST's and CJ Hicks's school administrations and taught 4th and 5th graders python and computer hardware, using interactive hands-on teaching.
- I'm finished this project at General Davis Middle School, where every other week I worked with 6th graders teaching python.

Personal Coding Projects *(Source Code on GitHub)*
- Portfolio Website: Designed, developed and deployed, my personal website.   2023
- Daily Picture Aligner: A python script align thousands of selfies automatically, saving countless hours. 2019-2024
- APBioKingdom: An overkill Django website created for a simple AP Bio group project.   2023

RESEARCH EXPERIENCE AND AWARDS

- ***Bridging The Education Gap: Using Django to Inspire Technology*** *(Source Code on GitHub)*   2023
  - 11th grade: Created a programming education web course using Django for students. Teaches programming basics and applies them in a real-world language, python. Includes user authentication, and dynamic content pages. Received Grand Champion award: selected to advance to Georgia Science and Engineering Fair (GSEF), National Student Innovative Award & chosen to travel to IL for NCSSS Research Conference, and 1st Place at the Rockdale Regional Science and Engineering Fair
- ***The Effect of Facial Recognition on Racial Bias.*** *(Source Code on GitHub)*   2022
  - 10th grade: Investigated a facial recognition model's racial bias using Python and large image databases. I utilized tools such as Python, OpenCV, NumPy, Matplotlib, Google's MediaPipe facial recognition solution, and large image databases (10,000+) to gather data and generate numerical scores, ran trials, and performed "Big-Data" analysis. Received 2nd at the Rockdale Regional Science and Engineering Fair.

AWARDS AND HONORS

- Georgia Institute of Technology Stamps Scholarship Semifinalist   2024
- OpenCV International AI Competition: Popular Vote Finalist | Top 20 Projects Award *(Source Code on GitHub)* 2023
- East Atlanta Tech Fair: 1st Place, 3D Modeling   2022
- Georgia Student Technology Competition (GaSTC): Qualifier, 3D Modeling   2022
- SkillsUSA State Championships: 3rd Place, 3D Visualization and Animation   2021

SKILLS

Advanced Python Programming	Advanced Computer Hardware & Application
Advanced 3D Modeling and 3D Rendering	Advanced Website Development & Maintenance
Advanced Video/Photo Editing, Visual Effects	Advanced Frontend/Backend Web Development
Advanced Audio Editing/Manipulation	(Django, HTML, Tailwind, JS)