Salem Sinawi

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Checkout My Website: https://salemsinawi.netlify.app/

Education

North Carolina State University   Raleigh, NC

Junior, Computer Science   Graduation Date: 2027

Relevant Coursework: Software Development Fundaments, Discrete Mathematics, Data Structures and Algorithms, C software

Georgia Tech

Atlanta, Georgia

Computer Engineering   Transferred out in 2024

Triangle Math and Science Academy (High School)   Apex, NC

Graduated with 4.17 GPA, 32 ACT score   Spring 2023

Experience

**North Carolina
State University**

Research   January/25 – June/25
- Work on research project using GIS data and urban growth simulations to predict urban development based on road infrastructure
- Develop and use tools to analyze complex data involving multilayered growth simulations
- Utilize python and java scripts to quantify the relationship between transportation infrastructure and urban growth
- Understand and work with professional grade Geospatial Information Systems and their related components

Membership & Activities

BAJA SAE Electronics   August 24 – Present
- Work on a sensor system using Hall effect sensors, strain gauges, and other DAQ devices to acquire data on a car's performance
- Host a Nginx server on raspberry Pi to access data acquired from sensors
- Develop front and back end for communication and easy access of contents between client and server.

Personal Projects and Hackathons – (https://github.com/SalemS-17)   August 24 – Present
- Created a locally running AI chatbot called FinWiz (Financial Wizard) which answers users' questions on financial topics – (Hackathon 2025: https://github.ncsu.edu/kaghanem/FinWiz)
- Designed Automation scripts which automate monotonous workloads such as opening the same applications repeatedly.
- Developed my own website with complex HTML/CSS and JavaScript to provide a smooth user experience: https://salemsinawi.netlify.app/

Skills & Interests

Technical: Proficient in Java, C, C#, python, flutter, HTML and CSS, GIS, Unreal Engine, Unity

Language: Fluent in English, Arabic

Laboratory: Excel, GIS systems, Server hosting services (Apache, Nginx)

Interests: Soccer (Barcelona Fan), Basketball (Hornets Fan), video games (Working on small game projects)