

# Oluwafemi E. Oloyede

Durham, North Carolina 27704 • (919) 536-9713

femi.loyede09@gmail.com • <https://www.linkedin.com/in/oluwafemi-loyede2003/>

## EDUCATIONAL BACKGROUNDS

### EDUCATION

**North Carolina Agricultural & Technical University** | Junior | Bachelor of Science in Computer Science | Expected Graduation: Spring 2025

Coursework: Object Oriented Programming, Data Structures, Analysis of Algorithms, AI & Machine Learning, Applied Network Security, Internet Systems, Operating Systems

### Awards/Achievements

- Nominated for The Society for Collegiate Leadership & Achievement (SCLA)
- Member of North Carolina Agricultural & Technical University Association for Computing Machinery(ACM)
- Member of North Carolina Agricultural & Technical University National Society of Black Engineers

## PROJECTS

### Lexical Analyser and Parser

• Implements a lexical analyzer and a top-down parser using C++. The lexical analyzer reads the imputed program and generates lexemes with token types. The parser uses the recursive-descending parsing algorithm to implement the syntax analysis.

### JavaScript Calculator

• Utilizes an HTML document whose sole function is to load and execute a Javascript program. The JavaScript code repeatedly prompts for 2 numbers (x and y) and for an arithmetic operator (addition (+), subtraction (-), modulus (%), division (/), or multiplication (\*)) using three dialog boxes.

### Unix Shell

• Implements a command line interpreter (CLI). When you type in a command (in response to its prompt), the shell creates a child process that executes the command you entered and then prompts for more user input when it has finished.

## PROFESSIONAL EXPERIENCE

**Computer Repair Technician Intern** - Triangle Ecycling, Durham, North Carolina, United States, *Jan 2020 - Mar 2020*

- Assembled and refurbished over 300 computers within 2 months
- Executed computer diagnostic tools that fixed over 500 client computers
- Trained on operating system troubleshooting techniques
- Collaborated with fellow interns to develop solutions that generated a 20% increase in sales

**NCAT Hackathon** - Greensboro, North Carolina, United States, *October 2022-2023*

- Developed a mobile app capable of detecting and managing subscriptions for Capital One customers
- Designed software that could increase the job prospects of young adults by 50%
- Implemented Artificial Intelligence to construct/generate a "roadmap to success"

## TECHNICAL PROFICIENCIES

- C++, Python, Java, HTML, CSS, Javascript
- Proficient in compilers, data structures, and algorithms
- Experience in refurbishing and configuring PCs or Laptops