

Faris Soliman

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EDUCATION

NC State University, Raleigh, NC

Expected Graduation 2026

BS in Computer Science, GPA: 4.00 / 4.00

- **Relevant Coursework:** Intro to Java, Software Development Fundamentals, C and Software Tools, Discrete Mathematics, CodePath Intro to Software Engineering
- **Clubs and activities:** App Development Club, Muslim Student Association, Arab Student Organization

TECHNICAL SKILLS

- **Programming Languages (most to least experience):** Java, Python, TypeScript, JavaScript, HTML / CSS, C
- **Tools:** Django, MongoDB, Git, React, Figma, WebSocket
- **Interests:** Full-Stack Development, Artificial Intelligence, Machine Learning

WORK EXPERIENCE

Curriculum Associates, Incoming Software Engineering Intern, Remote

Jan 2024 – May 2024

Tech Stack: TBD

- Incoming Software Engineering Intern contributing to the development and enhancement of software solutions to support educational initiatives

North Carolina State University, Undergraduate Research Assistant, Raleigh, NC

May 2023 – Aug 2023

Tech Stack: JavaScript, TypeScript, Python, Git, MongoDB, WebSocket, OpenCV, and DeepFace

- Created an innovative VS Code extension in **TypeScript, JavaScript, and Python** to promote gender equality by optimizing pair programming while implementing real-time data exchange using **WebSocket** and **MongoDB**, leading to enhanced productivity and time savings during collaborative coding sessions
- Constructed an advanced **AI** and machine learning model using **Python, OpenCV, and DeepFace** to enable real-time emotion detection, providing valuable insights into the evolving emotional states of users throughout the study
- Engineered an innovative **AI** program utilizing real-time audio tracking using **Python** and Speech Recognition APIs to monitor individual user interruption levels and total utterances, contributing to a more comprehensive understanding of communication dynamics between two users who are pair programming

PROJECTS

Student Database, Independent Project

Tech Stack: JavaScript, HTML, CSS, Python, Django, MongoDB

- Developed a comprehensive **Full-Stack CRUD** database application for Lake Norman High School
- Facilitated seamless creation, reading, management, uploading, and deletion of student documents such as absence notes, tardy slips, and doctor notes, all in a secure digital environment
- Reduced administration workload, enhanced organizational efficiency, and delivered a modernized and streamlined database solution, resulting in a cleaner and simpler data management process

Personal Website, Independent Project

Tech Stack: JavaScript, HTML, CSS, Git, Figma, GSAP Animation

- Built a personal website showcasing my skills and experiences

LEADERSHIP EXPERIENCE

Experimental Aircraft Association Chapter 309, Private Pilot, Engineer

November 2019 – August 2022

- Recognized by [prominent news outlets](#) for notable achievements in aircraft development
- Accomplished mentor and supervisor, reducing mistakes and errors by over 50% while leading the development of various aircraft components
- Recipient of the **Ray Aviation Scholarship** which provides aviation enthusiasts the financial resources to help them earn their pilot's license