

Langston Woods

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EDUCATION

University of Rochester

Bachelor of Science in Computer Science; Expected May 2029

Rochester, NY

Apr. 2025 – May 2029

- Relevant Coursework: Data Structures and Algorithms, Intro to Computer Science, Discrete Mathematics, Linear Algebra and Differential Equations
- Planned Clusters: Social Psychology, Ethics of Technology
- Current GPA: 3.43

EXPERIENCE

IT Intern

June 2024 – Aug. 2024

Rochester, NY

Workers United

- Collaborated directly with the Lead IT Specialist to support day-to-day operations across the organization
- Assisted with maintenance and troubleshooting of office hardware including desktops, laptops, printers, and networking equipment
- Provided software support for staff, including installation, configuration, and issue resolution

Academic Intervention Specialist

June 2022 – Present

Rochester, NY

Vertus High School

- Provided one-on-one and small-group support in math and science to 25+ high school students per summer session to address learning gaps, resulting in an average grade improvement of 15%
- Collaborated with 10+ teachers to reinforce classroom instruction and develop individualized learning strategies for at-risk students, improving student engagement by 40%
- Monitored student progress through weekly assessments and adapted support methods to address knowledge gaps, leading to 80% of students achieving grade-level proficiency
- Achieved strong instructional outcomes with 87% of surveyed educators reporting significant academic improvement in students supported

PROJECTS

To-Do List Desktop Application | *Python, Tkinter, JSON*

Nov. 2025 – Dec. 2025

- Built a desktop productivity application with a graphical user interface using Python and Tkinter, enabling efficient tracking and organization of user activities
- Implemented persistent data storage using JSON to save and restore user entries across sessions, eliminating data loss and improving overall usability
- Designed a modular architecture with three distinct classes for application logic, interface handling, and data storage, improving maintainability and reducing debugging time by 40%
- Integrated 5+ productivity features including item editing, deletion, completion status tracking, and optional due dates to streamline workflow management

Sentence Tone/Emotion Classifier | *Python, scikit-learn, TF-IDF, Logistic Regression*

Dec. 2025

- Developed a machine learning model to classify text into 9 emotion categories using TF-IDF feature extraction and Logistic Regression, achieving 85% classification accuracy on test data
- Implemented text preprocessing pipeline with lowercasing, punctuation removal, and n-gram tokenization to extract 1,000+ features, improving model performance by 20%
- Created interactive CLI tool with visual confidence score display for real-time emotion prediction, enabling user feedback and analysis of 100+ text samples

TECHNICAL SKILLS

Languages: Python, Java, HTML/CSS, JavaScript

Frameworks: React

Developer Tools: Git, GitHub, VS Code