Langston Woods

585-626-8038 | langstonw430@gmail.com | LinkedIn | GitHub | Website

Education

University of Rochester Rochester, NY

Bachelor of Science in Computer Science; Expected May 2029 *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

Experience

IT Intern June 2025 – Aug. 2025

Workers United *Rochester, NY*

- 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 – Aug. 2025

Vertus High School *Rochester, NY*

- Provided one-on-one and small-group support in math and science to high school students identified as needing additional academic assistance over the summer session
- Collaborated with teachers to reinforce classroom instruction and develop individualized learning strategies
- Monitored student progress and adapted support methods to address knowledge gaps and learning challenges
- Achieved strong instructional outcomes: 87% of surveyed educators reported significant academic improvement in students supported

Projects

To-Do List Desktop Application | *Python, Tkinter, JSON* 2025

- Built a desktop task management application with GUI using Python and Tkinter
- Implemented task persistence using JSON file storage, allowing tasks to be saved and restored between sessions
- Designed modular architecture with separate classes for task management, GUI handling, and data storage
- Added features including task editing, deletion, completion tracking, and optional due dates

Sentence Tone/Emotion Classifier | *Python, scikit-learn, TF-IDF, Logistic Regression* 2024 – Present

- Developed a machine learning model to classify text into 9 emotion categories (love, hate, sadness, happiness, anger, etc.) using TF-IDF feature extraction and Logistic Regression
- Implemented text preprocessing pipeline with lowercasing, punctuation removal, and n-gram tokenization (unigrams, bigrams, trigrams)
- Created interactive CLI tool with visual confidence score display for real-time emotion prediction

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript
Frameworks: React
Developer Tools: Git, GitHub, VS Code