Genova Alexander Mongalo

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**EDUCATION**

University of Missouri-Kansas City (UMKC) Kansas City, MO

Bachelor of Science - Computer Science Expected Dec 2024

GPA: 3.8

University of Missouri-Kansas City Kansas City, MO Masters – CyberSecurity Expected May 2026

**SKILLS**

Computer Languages: C#, C++, java, python, LISP, SQL

Computer Skills: Github, LLM, AI, CyberSecurity,(Cryptography, Steganography, etc.)

Languages: Spanish, Amharic

**WORK EXPERIENCE**

National Science Foundation Kansas City, MO

*Research Intern* June 2024 – Dec 2024

* Develop a robust model using Large Language Models.
* The goal is to detect ransomware through Industrial Control Systems.
* Achieved 99/85% accuracy for binary/family classification scale respectively.
* Paper was accepted and presented at IEEE Big Data Banks 2024.

National Science Foundation Columbia, MO

*Research Intern* May 2023 - July 2023

* Designed a model that detects/predicts cybersickness.
* Using a transformer machine learning model.
* Succeeded with an accuracy of 85% from a 1-10 cybersickness severity scale.

National Aeronautics and Space Administration Kansas City, MO

*Research Intern* December 2021 - April 2022

* Simulated transmissions to outer space using artificial intelligence.
* Calculated areas of strength of the signals.
* Developed an interface to interact with the model and determine recommended frequencies for certain circumstances.

**PROJECTS**

Functional Programming Parser Project March 2024

* Write a code parser for a small artificial language based on FORTRAN
* Determines if .txt input code is valid, otherwise throws an error along with line #
* DrRacket (Derived from LISP) and Racket Command Book.

**HONORS & AWARDS**

Discipline Distinction Award December 2024