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

**SKILLS**

Computer Skills: C#, C++, java, python, racket

Languages: Spanish

**WORK EXPERIENCE**

National Science Foundation Research Experience for Undergrands: AI-Empowered CyberSecurity KC, MO

*Research Intern* June 2024 – Ongoing

* Develop a robust model using Large Language Models.
* The goal is to detect ransomware through Industrial Control Systems.
* Achieved 99% accuracy for binary classification.
* Additionally, 85% accuracy for a ransomware family classification scale.

Mizzou National Science Foundation Research Experience for Undergrands Program 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.

Undergrad NASA Project 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

* Simulate a code parser using strict grammar, able to input any .txt formatted code
* Determines if input code is valid, otherwise throws an error along with line #
* DrRacket, and no outside assistance

**HONORS & AWARDS**

Deans List May 2020, June 2022, April 2024