Genova Alexander Mongalo

Overland Park, KS | (913) 260-8912 | Genova.Mongalo@gmail.com

**linkedin.com/in/GMongalo | ShankyShako.GitHub.io**

**EDUCATION**

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

Bachelor of Science - Computer Science Expected Dec 2024

GPA: 3.8

University of Missouri-Columbia (Mizzou) Columbia, MO

Masters - Computer Science Expected May 2026

**SKILLS**

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

Languages: Spanish

**WORK EXPERIENCE**

National Science Foundation 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.

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.

NASA 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**

Deans List May 2020, June 2022, April 2024