Nahom Negash

📞 240.559.8636 | ✉ nnegash1997@gmail.com | 🔗 www.linkedin.com/in/nahomnegash ⊙ GitHub

EDUCATION

University of Maryland, Baltimore County   Aug. 2019 – Dec. 2021
Bachelor of Science in Computer Science

- **Coursework**: Artificial intelligence, Machine Learning, Brain Machine Interface, Assembly, Computer Architecture, Computer Network, Data Science, Advance Algorithms, Operating System, Programming Languages, Software Engineering, Statistics, Computer Security

Montgomery College   Jan. 2017 – May. 2019
Associate of Arts, Computer Science   GPA:, 3.6

- **Coursework**: Introduction to programming, Data Structures, Algorithms, Linear Algebra, Calculus 1, Calculus 2

PROJECTS

GRIT-VIEW

- Implemented a professor rating Web App for University of Maryland Baltimore county.
- Designed a database system to handle the data of the instructors and all the courses thought in UMBC using PostgreSQL
- Implemented and designed the back-end for user login credentials using Flask, python, and PostgreSQL.
- Development processes: used Agile scrum
- Implementation and design:GitHub

VR Robotic Arm

- Designed and implemented a virtual reality robotic arm using Vrealm and MATLAB.
- The goal of the project is to allow the robotic arm system to perform easy movement in a 2d environment.The work includes mathematical modeling of the arms movement by using inverse kinematics.The model allows the user to insert location x and y coordinates, and move accordingly.
- Full-Report:GitHub

Computer Architecture

- Designed and implemented a simple CPU that preforms 8 bit addition, subtraction, and bit-wise operations using MATLAB.
- Full design and implementation:GitHub

Prediction Model

- Implemented and train Support Vector Machine for regression model that predicts closing price of MSFT using online data provided by Microsoft.
- Implementation and Design:GitHub

Image Classification with Convolutional Neural Networks

- Implemented an image classifier model using Convolutional Neural Networks in Tensorflow and Keras.
- Implementation, description and Design:GitHub

SKILLS

Languages : Python, PostgreSQL, Flask, Linux, C(Programming Language), C++, Java, MATLAB, R
Tools GitHub, IBM-Cloud, Debian, Eclipse, JUnit Testing, Emacs