**Nehmya Negash**

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**EDUCATION:**

**University of Maryland, Baltimore County (UMBC)** Baltimore, MD

* Bachelor of Science in Computer Engineering-Cyber Security Track Spring 2022
  + GPA: 3.78/4.0
  + Minor: Mathematics/focusing on Data Science
* **Honors**: UMBC Merit Scholar

**SKILLS**:

**Programing** Python, C/C++, MATLAB, Assembly, Java, VHDL, Verilog

**Hardware** Robotics, FPGA/ASIC

**Operating Systems** Windows 7/8.1/10/XP, Mac OS, Linux OS  
**Software** Linux, Visual Studio/Visual code, Git Hub, AWS Services

**Foreign Languages** Fluent Amharic (National language of Ethiopia)

**PROJECTS:**

AWS Project June 2020

* Hosted a website using EC2 instances and WordPress
* Created a static website using an S3 Bucket
* Developed a Web Application using AWS Amplify
* Built a Serverless Web Application using multiple AWS Services such as AWS Lambda

Textbook Index March 2020

* Created a C++ program that took in Text and created an Index

with line numbers and number of occurrences for main words

* Utilized methods such as Binary Search Trees and Hash tables

Verilog Project November 2019

* Created a state machine
* Solved for different values depending on user inputs

UROS competition April 2019

* Collaborated with a team to design and build a robot to execute

specific tasks in the competition

* Managed budget and cost effectiveness of robot and wrote code

for the robot to complete the tasks

**WORK EXPERIENCE:**

*Technical Intern***, Northrop Grumman,** Baltimore, MD Summer 2020

* Worked with a project team on adding new functionality to old scripts and helped

develop ASIC and FPGA designs

* **Key Achievements:**
  + Developed new functionality for old Python scripts that created different formats

of memory maps

* + Created new Python scripts that reversed memory maps into human readable formats
  + Implemented Verilog code to test eFPGA run times and design efficiency
  + Used tools such as JIRA to implement Agile Project Development

**EXTRACURRICULAR ACTIVITIES:**

*Member*, **Ethiopian-Eritrean Student Association** October 2018

* Organize charity fundraising and provide volunteer work on

and off campus

**CERTIFICATIONS/CLEARANCES:**

* AWS Certified Cloud Practitioner – Validation Number: 7SPY2V7CFMB4Q1CR
* -DoD Secret Security Clearance Summer 2020