

## Nehmya Negash

443-538-8915 • [xk28378@umbc.edu](mailto:xk28378@umbc.edu) • <https://www.linkedin.com/in/nehmya-negash-1187b818b/>

### EDUCATION:

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

Baltimore, MD  
Spring 2022

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

### SKILLS:

<b>Programing</b>	Python, C/C++, MATLAB, Assembly, Java, VHDL, Verilog
<b>Hardware</b>	Robotics, FPGA/ASIC
<b>Operating Systems</b>	Windows 7/8.1/10/XP, Mac OS, Linux OS
<b>Software</b>	Linux, Visual Studio/Visual code, Git Hub, AWS Services
<b>Foreign Languages</b>	Fluent Amharic (National language of Ethiopia)

### PROJECTS:

AWS Project	June 2020
<ul style="list-style-type: none"><li>• Hosted a website using EC2 instances and WordPress</li><li>• Created a static website using an S3 Bucket</li><li>• Developed a Web Application using AWS Amplify</li><li>• Built a Serverless Web Application using multiple AWS Services such as AWS Lambda</li></ul>	
Textbook Index	March 2020
<ul style="list-style-type: none"><li>• Created a C++ program that took in Text and created an Index with line numbers and number of occurrences for main words</li><li>• Utilized methods such as Binary Search Trees and Hash tables</li></ul>	
Verilog Project	November 2019
<ul style="list-style-type: none"><li>• Created a state machine</li><li>• Solved for different values depending on user inputs</li></ul>	
UROS competition	April 2019
<ul style="list-style-type: none"><li>• Collaborated with a team to design and build a robot to execute specific tasks in the competition</li><li>• Managed budget and cost effectiveness of robot and wrote code for the robot to complete the tasks</li></ul>	

### WORK EXPERIENCE:

<i>Technical Intern, Northrop Grumman</i> , Baltimore, MD	Summer 2020
<ul style="list-style-type: none"><li>• Worked with a project team on adding new functionality to old scripts and helped develop ASIC and FPGA designs</li><li>• <b>Key Achievements:</b><ul style="list-style-type: none"><li>❖ Developed new functionality for old Python scripts that created different formats of memory maps</li><li>❖ Created new Python scripts that reversed memory maps into human readable formats</li><li>❖ Implemented Verilog code to test eFPGA run times and design efficiency</li><li>❖ Used tools such as JIRA to implement Agile Project Development</li></ul></li></ul>	

### EXTRACURRICULAR ACTIVITIES:

<i>Member, Ethiopian-Eritrean Student Association</i>	October 2018
<ul style="list-style-type: none"><li>• Organize charity fundraising and provide volunteer work on and off campus</li></ul>	

### CERTIFICATIONS/CLEARANCES:

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