**Yannick Iniatius Mavita Gata**

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**EDUCATION**

Bachelor of Science in Biomedical Engineering, May 2021

University at Buffalo, The State University of New York Buffalo, NY

**TECHNICAL SKILLS**

**Computer skills:** Microsoft Office Package (90%), SolidWorks (90%), MATLAB MathWorks (90%), MATLAB Simulink (80%), MATLAB Machine Learning (75%), MATLAB Deep Learning (75%), MATLAB Image Processing (70%), MATLAB Signal Processing (70%), HTML (Web design) (75%), JavaScript (60%), NI ELVISmx Instrument Basics (70%), Anaconda Python/ Python (70%)

**Hardware Skills:** Arduino Uno/IDE and MATLAB interaction with Arduino Uno (70%)

**Literacy Skills:** English (90%), French (90%), Spanish (80%), Writing Total Average (85% at best)

**Social Skills:** Verbal Communication (80%), group work (80%), individual work (85%)

**Individual Skills:** Open-minded (90%), resiliency (95%), adaptability (95%)

**EDUCATIONAL PROJECTS**

EAS 199 Propeller boat prototype:

·   Our team collectively constructed and designed a boat out of a Gatorade bottle that floats and propels itself down a 5-meter rain gutter

·   In this project, not only we got the second fastest boat overall, I learned the importance of teamwork, to think creatively, and the process of self-designing a prototype

**COMMUNITY SERVICES**

Elementary Program, Westminster Community Charter School, Buffalo NY, **Academic Year 2017-2019**

·   I learned how to be patient and self-composed when teaching basic science to elementary and middle school children

Community guidance and services, **Academic Year 2018-2019**

·   I learned to boost my communication skills and social interaction with different people from different background, applying the art of small talk with different people I was in charged with and especially freshmen in need of help

**PERSONAL DEVELOPMENT PROJECT**

**I.** Built robot on my free time using SolidWorks and Simscape Multibody MATLAB Simulink to test its workability in real world situations

**II.** Performed over 10 different projects total using Arduino Uno and SolidWorks

**III.** Created numerous responsive schedule and website using JavaScript and HTML/CSS

**IV.** Created MATLAB codes to help me solve a variety of different statistical problems that I use in and out of my engineering classes while in college

**ORGANIZATIONS**

National Society of Black Engineers, (2020 - Present)

Malaysian Student Association, (2018 -)

National Society of Honors and Leaderships, (2017 - Present)

**INDIVIDUAL ACHIEVEMENTS**

Science is Elementary Program Certificate in partner with and sponsored by National Grid and the University at Buffalo School of Engineering and Applied Sciences**, Academic Year 2017-2018**

MATLAB MathWorks Certificate, **Academic Year 2018**

**OTHER INVOLVEMENT**

Sickle Cells Event Donations, **Academic Year 2019-2020**