

ONYEOZIRI IKE-AMAECHI

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EDUCATION

B.S in Computer Science

Graduate Date: December 2022

Towson University, Towson, MD

AAS in Robotics/Mechatronics Technology

Graduate Date: December 2018

Baltimore City Community

College, Baltimore, MD

RELEVANT COURSEWORK

- ◆ Data Structure & Algorithms
- ◆ Object-Oriented Design & Programming
- ◆ Web-Based Programming

SKILLS

Leadership, Communication,
Object-Oriented Programing



Logic Programming



PROGRAMMING

Java, C++, Python, SQL,
JavaScript, TypeScript,



F#, R, CSS, HTML



OTHERS

CAD, Linux, MATLAB

EXPERIENCE

Payload Developer

NASA Goddard Space Flight Center, Greenbelt, MD | Jun 2018 – Dec 2018

- Led a team of 3 in developing a High-Altitude Balloon (HAB) and an Extreme Low Earth Orbit (eLEO) instrument, in which the finished product is a CubeSat Satellite.
- Used C++ for the HAB to collect telemetry data and Python for the CubeSat to automate the solar panel deployment and monitor its efficiency.
- CAD critical hardware components using SolidWorks.

Innovation Lab Manufacturing Assistant

NASA Goddard Space Flight Center, Greenbelt, MD | Jun 2017 – Dec 2017

- Worked with a team of 3 for research and development of flight hardware. Utilizing CNC machines, 3D printers, and CAD design software such as SolidWorks.
- Taught, mentored, and supervised NASA interns to use SolidWorks and usage of the CNC machine.

PROJECTS

Perdue Farms Data Analytics Competition

Towson University | Oct 2021– Dec 2021

- Used Python to analyze delivery data for the company to identify just how a future project could optimize its finances.
- Interpret which ten customers would benefit from the new project

School Management System

Towson University | Aug 2021– Dec 2021

- Led a team of 5 through the software development life cycle for a school management system designed for a local church.

Dear Journal

Apr 2019

- Used Java to create a journal software that stores users' entries by date as a text file.