

A red square logo with a white border. Inside the square, the name "Donipolo Ghimire" is written in white, bold, sans-serif font, and the word "Engineer" is written in a smaller, white, serif font below it.

**Donipolo
Ghimire**

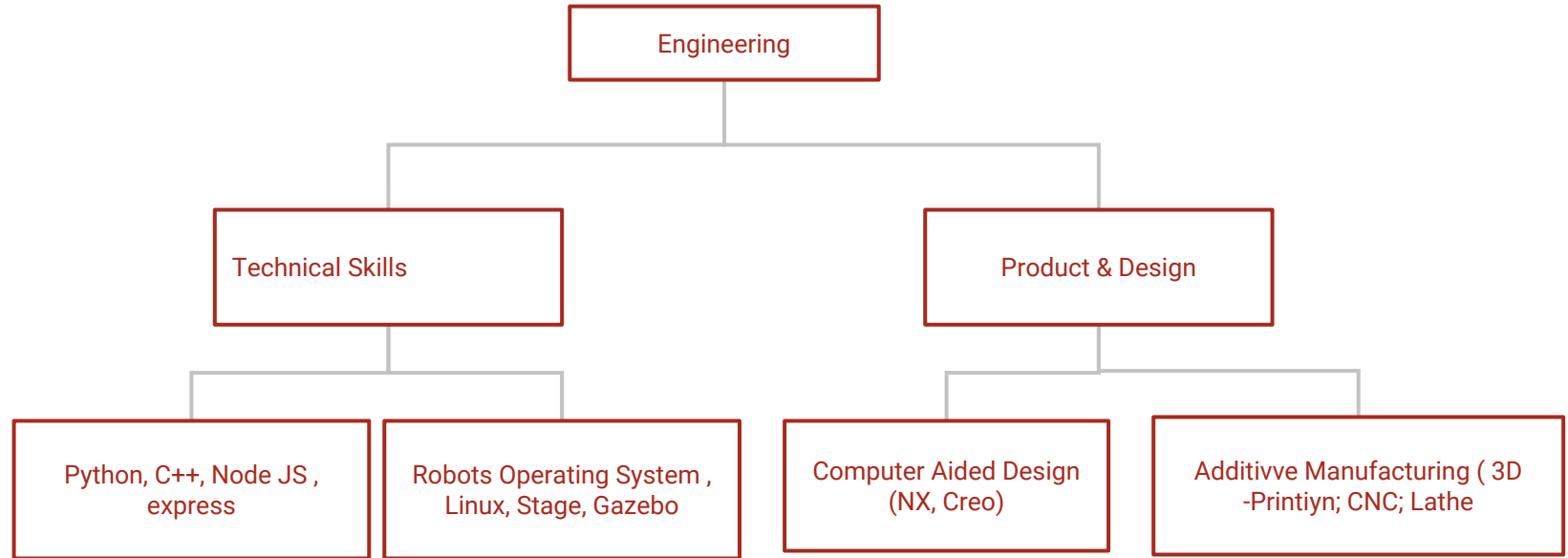
Engineer

About Me

I am a senior Mechanical Engineer at Howard University. As an Engineering student, who practices analysis, synthesis, observation, reflection and evaluation in a daily basis, I have acquired technical and soft skills to excel in the industry or any relevant fields. I am interested in Controls and Systems (Robotics), Implementing SLAM algorithms and developing Web Servers.

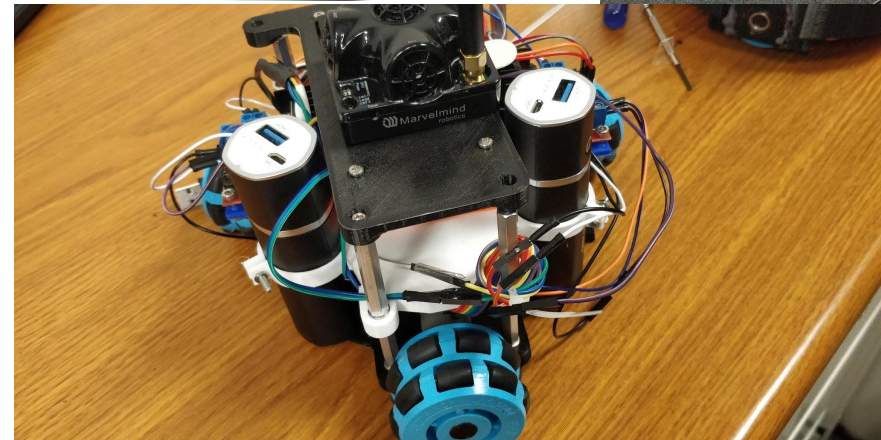


Skills And Expertise



MURO LAB , UCSD (Student Intern/ Researcher

- Interned in Multi-Agent Robotics Laboratory.
- Was assigned to design, develop a working prototype of an Unmanned Ground Vehicle.
- 3D printed and assembled the parts
- Implemented Controls algorithms (Proportional Integral Derivative Control)
- Implemented Kalman Filter Algorithm for Localization.



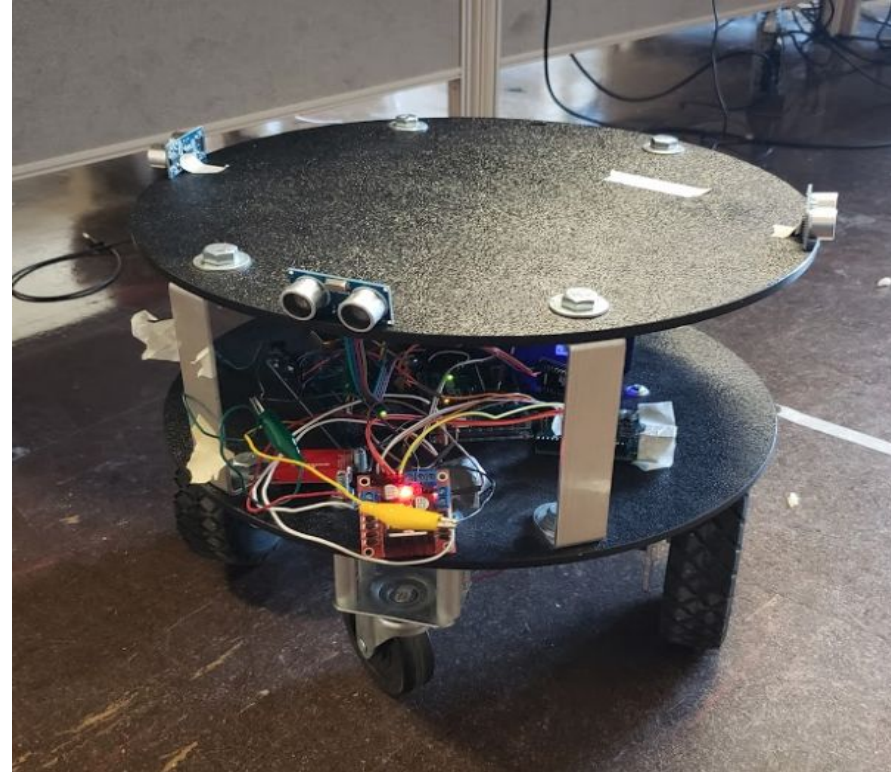
Capstone Project : Deliveroid

Designing and building an Autonomous vehicle to deliver documents and packages

Designed the robot using CAD software

Implement Hector SLAM

Implemented PRM (probabilistic ROad MAP) algorithms



DTN ION - NASA

Developed a web server for Disruptive Tolerant Networking (DTN)

Use Node JS and Express as the web application framework

Cart

Price

Quantity

Total

Book
This is a Harry Potter Book

24.99



1

Remove

24.99

Smartphone
This is an Iphone

649.99



1

Remove

649.99

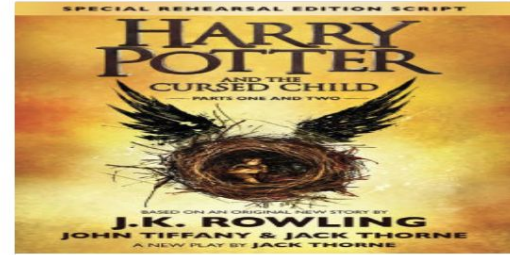
Subtotal	674.98
Tax (5%)	33.75
Shipping	15.00
Grand Total	723.73

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Book

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1

Buy

This is a Harry Potter Book

★★★★★



Cloth

14.99

1

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This is a Winterwear

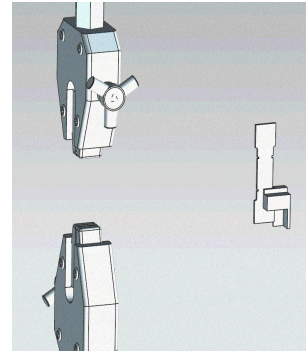
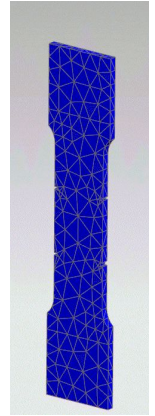
Junior Capstone: Sandia National Laboratory

Designed CAD model for the tensile testing machine

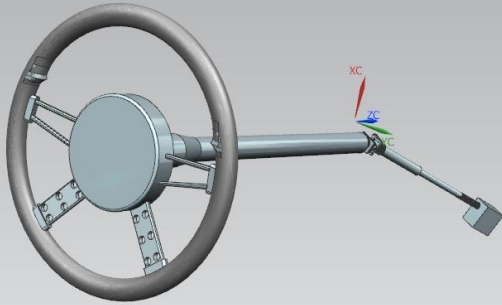
3D printed dog bones samples

Examined the variability material failure of a common aluminium alloy

Tested different materials and assembled the testing machine



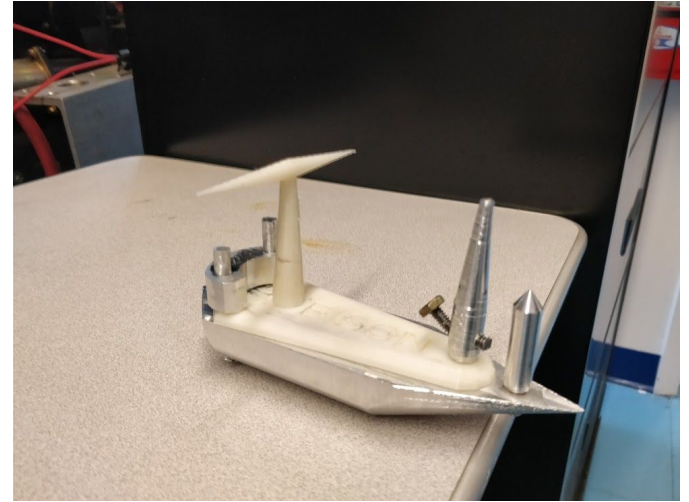
Additional projects



Designed Steering Wheel
System



Build a Tensile Testing
Device



Machining to build a HU
_Bison Boat

Club Activities

- American Society of Mechanical Engineers,
Howard Chapter - *Programs Chair*
- Engineer Without Borders
- Society of Automotive Engineers
- Math Club, Howard University



Contact Info

Donipolo Ghimire

donipolo.ghimire@bison.howard.edu

donipologhimire1997@gmail.com

Linkedin

<https://www.linkedin.com/in/donipolo-ghimire/>

Github

<https://github.com/donipologhimire>

