

Frank Ononye

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OBJECTIVE STATEMENT: An analytical team player with proficient attention to detail and written/verbal communication looking to obtain an engineering position that provides an opportunity of growth in working with others to solve problems in developing technical solutions.

EDUCATION

Bachelor of Science in Engineering, Robotics
Master of Science in Engineering
Arizona State University, Polytechnic Campus

Expected Graduation: May 2020
Expected Graduation: May 2021
GPA: 3.44/4.00

SKILLS

SolidWorks	Additive Manufacturing	Python	C	MATLAB	Laser Etching	Machine Learning
Cadence	Microsoft Office	Mobile Applications	Cost Modeling	Embedded Systems	AutoCAD	Artificial Intelligence
Unity	LTSpice	ExpressPCB	MathCAD	Oscilloscope	Multimeter	

PROJECTS

- Tail Stabilization, Honors Directed Study (EGR 492), ASU** Fall 2019
- Simulated an inherently unstable object that has a tail for stability using Unity software
 - Programmed an Arduino attached to an RC car to test the simulation in real life
- Power Supply, Professional Design Project I (EGR 401), ASU/Honeywell** Fall 2019
- Designed and simulated a power supply using the LTSpice, Express, PCB, and MathCAD
 - Organized the team assignments and deliverables as the Project Manager
- Embedded Cornhole/Skeeball, Embedded Systems Design Project II (EGR 314), ASU** Spring 2019
- Created electric schematics of a power subsystem for a Printed Circuit Board (PCB)
 - Built an electric game that combines the mechanics and point system of cornhole and skeeball
- Rabbit Locomotion, Foldable Robotics (EGR 494), ASU** Spring 2019
- Researched the motion gait and biomechanics of a rabbit to build a robot to recreate its motion
 - Programmed with Python to plot and code the rabbit's motion
- Kenya Auto Shop, Design for the Developing World (HON 394), ASU** Fall 2018
- Designed an auto shop for a Maasai village using SolidWorks to help the guides maintain their vehicles
 - Used Cura software to print three-dimensional models of the different rooms within the auto shop facility
- Smart Vent, Embedded Systems Design Project I (EGR 304), ASU** Fall 2018
- Programmed buttons to increase or decrease values that affect the vent's functions for the temperature
 - Designed a schematic and a Printed Circuit Board (PCB) using Cadence software

WORK EXPERIENCE

- Caregiver/ Joseph Generation Inc** Summer 2018
- Cared for about 10-15 special needs children ranging in ages 9-17 years old
 - Responsible for working with other caregivers to understand and improve children's behaviors
- Community Assistant/University Housing** Fall 2017
- Mentored freshman and sophomore students to ensure on-campus experience and living conditions were comfortable and enjoyable
 - Encouraged residents to attend on-campus programs such as home games and other social events so they could interact with each other and meet new people

LEADERSHIP

- National Residence Hall Honorary** Fall 2018-Present
- Volunteered in on-campus service events and off-campus service projects
- Intramural Football, Basketball, and Volleyball** Fall 2018-Present
- Cooperated with team members to compete against other students and contributed to major team plays
- National Society of Black Engineers Treasurer** Fall 2018-Spring 2019
- Made budget plans for trips and conferences and ordered food for bi-weekly meetings

