

Sidney Nimako

✉ snimakob@andrew.cmu.edu | ☎ (331) 305-1138
🌐 snibo.me | in snibo | 📺 snibo13

EDUCATION

CARNEGIE MELLON UNIVERSITY

BS in Mechanical Engineering
August 2019 - May 2023
Cum. GPA 3.3/4.0

COURSEWORK

Concepts of Mathematics
Fundamentals of Computer Programming
Fundamentals of Mechanical Engineering
Imperative Programming
Intro. to Electrical Engineering
Intro. to Scientific Computing
Statics
Thermodynamics
Writing about Data

SKILLS

TECHNICAL SKILLS

Python • Java • JavaScript • C++
C • Dart • Flutter • Latex •
Solidworks Figma • Unity •
Matlab

SOFT SKILLS

Creativity • Problem Solving
Communication • Teamwork

LANGUAGES

French

ACTIVITIES & HONORS

Carnegie Mellon Racing
2019 - Ongoing
Carnegie Mellon Rocket
Command
2019 - Ongoing
Dormitory Council
2019-2020
The Tartan Newspaper
2020 - Ongoing
Outstanding Citizenship
Award (2019)
*from The National Society of the
Sons of The American Revolution*
Illinois State Scholar (2019)
from The State of Illinois

EXPERIENCE

BIOMOTIVATE | VR Development Intern

May 2020 - August 2020 | Pittsburgh, PA (Remote)

- Established an interface system for Oculus Go controller and headset
- Built a data collection solution to aid research on therapeutic benefits of different experiences
- Designed the product road map based on research from behavioral psychologists
- Took the VR experience from problem to MVP in 3 Months

ASHLEY'S MUSIC FOUNDATION | Volunteer App Developer

May 2018 - Aug 2018 | Naperville, IL

- Independently developed a cross-platform app to provide elementary music education

GHANA YOUTH RESEARCH INITIATIVE | Volunteer Curriculum Writer

May 2018 - Aug 2018

- Produced resources and activities on math and science for use in the program's curriculum

FERMILAB | TARGET Intern

June 2017 - Aug 2017 | Batavia, IL

- Wrote and deployed 3 WordPress pages for Fermilab's global services domain.
- Devised an SQL schema for storage of data on laboratory visitors, improving the lab's ability to monitor who was on premises.
- Began development of a Python application to interface training and security databases to improve laboratory security.

PROJECTS

SNIBO.ME | Independent

Ongoing

- Personal portfolio website built from scratch
- Contains additional experiments in design, software and mechanics

UNDERGLOW CIRCUIT | Carnegie Mellon Racing

Ongoing

- Designed a lighting control board to interface with the CMU Formula SAE race car.
- Created Altium schematics for the board using CMR standardized templates.

LINE FOLLOWING ROBOT | Fundamentals of Mechanical Engineering

November 2019

- Constructed and programmed an Arduino based robot capable of autonomously following a line.
- Completed the track in the fastest recorded time completing the approximately 6 ft track in 7.08s