

Sidney Nimako

snimakob@andrew.cmu.edu
in/snibo • snibo.me • github: snibo13

EDUCATION

Carnegie Mellon University

Pittsburgh, PA • PRESENT – May 2023
Bachelors of Engineering
Mechanical Engineering undergraduate
– CM Racing, Carnegie Mellon Rocket Command

Waubonsie Valley High School

Aurora, IL • August 2015 – May 2019
Diploma
– Chess Team (16-19), Robotics Team (15-19),
PAGES Tutor (16-17), Link Crew(17-19)

AWARDS & RECOGNITIONS

Outstanding Citizenship Award

The National Society of the Sons of the American Revolution
April 2019
– “In recognition of the Highest Ideals of Character and Citizenship”

2019-2020 Illinois State Scholar

State of Illinois
January 2019
– Given to students academically in Illinois’ top 10%

Lauréat National, Mention Honorable x 2

Le Grand Concours
May 2017, May 2018 and May 2019
– National French language and culture test administered by the American Association of Teachers of French

SKILLS

Programming Languages and Frameworks

Proficient with:
– Python, Java, HTML, Javascript, CSS, SQL, Dart, Flutter, Linux, Git, C, Fusion 360, Figma
Familiar with:

– C++, Blender, Unity, Solidworks, Node.js, Express.js

Languages

– English(Native), French (Proficient), ASL (Novice), Spanish(Novice)

EXPERIENCE

Virtual Reality Developer – Biomotivate

Pittsburgh, PA • May 2020 – PRESENT
– Designing and developing virtual reality solutions to help people maintain sobriety

Freelance Developer – ScrappyCars.com

Naperville, IL • August – December 2017
– Wrote and deployed a python script to generate > 1000 pages based on a stylized template to improve the SEO of the ScrappyCars domain.

Target Intern – Fermilab

Batavia, IL • June – August 2017
– Designed and deployed 3 web pages for the Fermilab global services website using Wordpress.
– Designed and deployed an SQL database 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 Fermilab’s training and security databases to improve laboratory safety.

PROJECTS

Line Following Robot

November 2019 - December 2019
– Constructed and programmed an Arduino based robot capable of autonomously following a track.

Underglow Lighting Circuit

October 2019 - June 2020
– Developing a lighting control board to interface with the CMU Racing Formula SAE vehicle.

VOLUNTEER EXPERIENCE

App Developer – Ashley’s Music Foundation

Naperville, IL — May 2018 - August 2018
– Independently developed a cross-platform app to provide elementary music education.

Curriculum Writer – Ghana Youth Research Initiative

Naperville, IL — May 2018 - August 2018
– Produced resources and activities on math and other subjects for use in the program’s curriculum.