

Sidney Nimako-Boateng

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EDUCATION

Carnegie Mellon University

Pittsburgh, PA • PRESENT - May 2023

Bachelors of Engineering

Undeclared Engineering undergraduate hoping to study electrical or mechanical engineering

- 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, Fusion 360, Figma

Familiar with:

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

Languages

- English(Native), French (Proficient), ASL (Novice)

EXPERIENCE

Programming Tutor - Self Employed

Naperville, IL • July - August 2019

- Provided instruction in python, web development and computer science fundamentals to middle school students.

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

Oct 2019 - PRESENT

- 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.