

# 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 — Diploma

August 2015 - May 2019

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: 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.