

# Ayooluwa Adeleye

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## Education

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### Elgin Community College

Elgin, Illinois

- Associate in Science

Aug 2021 - May 2023 (Expected)

Notable Achievement: Placed on Honors list for Fall 2021

### George and Duke Institution (High School)

Nigeria

Graduated: Nov 2020

### Python:

- HackerRank Python Certificate: <https://www.hackerrank.com/certificates/aa052c9247a6>
- Object-Oriented Programming, Modular Program design, Types, Operators and Control Flow

### Algorithms & Data Structures:

- Searching algorithms: Binary search, Linear search
- Sorting algorithms: Selection sort, Quick sort, Merge Sort
- Stacks, Linked lists, and Arrays.

### HTML & CSS:

- Built various websites by translating designs into html and CSS code.

### C++:

- Three months of experience learning programming in C++ and creating various projects to test my knowledge

## Experience

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### VEX Robotics Competition

Feb 2021

- Helped in a team of three to write C++ code for a robot to autonomously move, also using vision sensors to recognize and pick up rings. Won multiple rounds against various universities including the UIUC VEX team.

### Engineering Tech Club

Aug 2021 - Present

- Communications officer for an engineering club. Responsible for broadcasting programs and events with faculty

## Projects

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### Personal Website

GitHub link: <https://github.com/ayoadelewe/ayoadelewe.github.io>

- Used HTML and CSS to build a responsive portfolio website. [Click to view website](#)

### Sudoku Solver

- Used recursion and backtracking to solve a 9 by 9 sudoku board
- Time complexity of  $O(n^s)$ , where  $n$  is the number of possible positions and  $s$  is the number of empty spaces.