Aryan Aggarwal

Current Address: **Permanent Address:**
912 South Forest Avenue Apt 1   aa48324@gmail.com   1805 Midchester Drive
Ann Arbor, MI 48104   (248)-934-4749   West Bloomfield, MI 48324

EDUCATION

University of Michigan, *College of Engineering,* Ann Arbor, MI   August 2022 - December 2025
Major: Computer Science, GPA 3.40/4.00
- Recipient of Regents Merit Scholarship
- Recipient of William J. Branstrom Freshman Prize (Awarded to top 5% of freshman class)
- Dean's List Fall 2022

Relevant Courses: Data Structures and Algorithms, Computer Organization, Intro to AI, Intro to Computer Security, Data Oriented Programming

WORK EXPERIENCE

Software Engineering Track, Remote   June 2024 - July 2024
IBM Accelerate
- Developed a full-stack web app using React and JavaScript, integrating a RESTful API and IBM Cloud Database to deliver an efficient and user-friendly product.
- Utilized Jest to write and execute comprehensive automated unit tests to verify functionality, detect bugs, and enhance code reliability.

Audio Visual Aide, Ann Arbor, MI   September 2022 - Present
University of Michigan LSA Technology Services
- Maintained, troubleshot, and cleaned audio/visual equipment such as projectors, cameras, and microphones in over 350 classrooms to prepare for instruction the following day.
- Coordinated with professors to implement special projects that integrate new technologies, enhancing the learning environment for both faculty and students.

ACADEMIC ACTIVITIES

Graph Searcher and Route Tracer Project, Ann Arbor, MI   September 2023
University of Michigan — EECS Department
- Designed a program to read in, store, and search over maps of varying dimensions using data structures such as 3D vectors, stacks, queues, and deques.
- Unit tested and optimized program using complexity analysis to reduce program runtime and memory usage by 15%.

Coding Club, West Bloomfield, MI   September 2020 - June 2022
Member
- Developed proficiency in various programming languages such as, Java, JavaScript, and C++.
- Applied knowledge by collaborating on programming projects and challenges such as a variation of Uno and a Unity game.
- Worked with club members to demonstrate knowledge and solve online coding challenges.

Robotics Club, West Bloomfield, MI   September 2018 - March 2020
Member
- Collaborated in a large team to devise and implement Java code to accomplish robotic tasks autonomously and with user input.
- Tested, debugged, and modified autonomous code as a team to obtain desired results.
- Won county-level championships and qualified for the FIRST Robotics state championships.

SKILLS/CERTIFICATIONS

Skills: C++ * Python * JavaScript * React * HTML * CSS * GitHub * RESTful APIs
Certifications: Fundamentals of AI (IBM), Software Developer (IBM Accelerate)