Habeeb Sowemimo

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Senior Computer Science student at the University of Toledo specializing in Software Engineering and Artificial Intelligence, seeking a co-op/internship to apply expertise in software development, algorithm design, and systems analysis while contributing to innovative engineering projects.

SKILLS

- **Programming Languages:** C, C++, Java, Python, JavaScript.
- **Frameworks/Tools:** React, Tailwind, Flask, Django, SQL, Git.
- **Web Technologies:** HTML, CSS.

EXPERIENCE

Plastic Technologies Inc. (PTI), Holland, OH   *Jan 2024 – May 2024*
FEA Engineering Co-op
Recruited to carry out simulation testing in computer programs and assist with project management tasks while learning to perform analytical test methods.

- Re-designed custom software solutions using **Visual Basic.NET** to interface with machine reading systems for data collection and analysis, resulting in a 30% increase in reading accuracy.
- Assembled and implemented a temperature sensor system to measure heat distribution across plastic reforms, **embedding** custom software for real-time data collection and analysis, improving thermal monitoring accuracy by 20%.
- Conducted advanced Finite Element Analysis (FEA) simulations using Abaqus to enhance **performance** and **structural integrity** of plastic components.
- Collaborated with **cross-functional teams** (design, engineering, production) to ensure **manufacturability** and optimized product performance, resulting in a 25% improvement in workflow efficiency.

FIRST Robotics, Toledo, OH   *July 2023 – Dec 2023*
Programming Coach
Volunteered as a Programming Coach for FIRST Robotics, mentoring high school and middle school students in the FIRST Tech Challenge and FIRST Lego League 2023, helping them develop programming skills and compete effectively.

- Taught **Java programming fundamentals**, including **object-oriented concepts**, enhancing students' coding proficiency by 30% over the season.
- Guided teams in writing, debugging, and optimizing **Java code** for robotic control systems in **AndroidStudio**, enabling successful competition performance, achieving the **Rising Stars Award**.
- Promoted **STEM education** through workshops and outreach, increasing community engagement in **FIRST Robotics programs** by 20%.
- Recognized in the **Toledo Blade Newspaper** for impactful contributions as a programming coach on Sep 3.

EDUCATION

The University of Toledo, Toledo, OH   *Expected Graduation: May 2026*
Bachelor of Science, Computer Science – GPA: 3.7 / 4.0
Honors: President's List 2022, Dean's List 2022/23/24, International Rocket Award.

- **Relevant Course Work:** Data Structures and Algorithms, Object Oriented Programming, Software Engineering, Machine Learning, Operating Systems and Systems Programming, Programming Languages and Paradigms, Theory of Computation.

HavardX CS50 – Computer Science for Web Programming (edX certified)

- CS50X - Introduction to Computer Science
- CS50W - Web Programming
- CS50AI - Introduction to Artificial Intelligence with Python