Jaydin Freeman

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EDUCATION

Kettering University   Flint, MI
Bachelor of Science in Computer Science, GPA: 3.76/4.0   Expected June 2025
Concentration: Artificial Intelligence
Certifications: *HackerRank*: Java Basic Problem Solving, *LinkedIn*: Java Data Types
Relevant Coursework: Object-Oriented Programming in Java, Data Structures and Algorithms, Algorithmic Analysis

TECHNICAL SKILLS

Programming Languages: Proficient - Java, Python; Familiar – CSS, HTML, JavaScript
Tools: IntelliJ, Visual Studio Code, SolidWorks, AutoCAD

WORK EXPERIENCE

BorgWarner   Auburn Hills, MI & Ithaca, NY
Rotational Engineering Co-op   July 2021 – Present
- Designed, implemented, and maintained multiple internal tools to assist Morse eVCT and E-motor development utilizing java, resulting in increased efficiency and productivity
- Developed and supported the implementation of the Morse auto-code development environment
- Utilized MATLAB-Simulink environment for auto-coding and participated in hardware-in-the-loop testing

PROJECTS AND INDUSTRY INVOLVEMENT

Blackboard Scraper | *Python, Selenium, Beautifulsoup* | Link
Blackboard Scraper was created to assist college students in archiving and tracking course materials and grades from Blackboard. Utilized Selenium web driver and Python to automate the login process and extract necessary data

Personal Portfolio | *HTTML, CSS* | Link
Designed and developed a portfolio website using HTML and CSS, hosted on GitHub to showcase projects and gain web development experience

iQuHack Challenge | *Python, pytket, networkx* | Link
Participated in the iQuHack challenge to improve the implementation of the Quantum Approximate Optimization Algorithm (QAOA) for solving the Max-Cut problem in graph theory. Implementing advanced optimization strategies such as COBYLA and SPSA. Improved understanding of QAOA performance and developed a working implementation using these optimization strategies

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

National Society of Black Engineers   Flint, MI
Programs Chair   Fall 2022 – Present
- Led the planning and execution of various university and community events
- Coordinated and facilitated meetings and workshops, fostering a collaborative environment among the body

Association for Computing Machinery   Flint, MI
Chair   Jan 2023 – Present
- Established and founded the Kettering chapter of ACM, providing a platform for students to connect and collaborate
- Oversaw the development and execution of various technical events and activities, fostering a community of computer science enthusiasts
- Mentored and provided guidance to members, helping them develop their technical and leadership skills

Management Leadership for Tomorrow   March 2023–Present
Career Prep Fellow
- Selected among thousands of high achieving applicants to participate in this Career Preparation program focused on professional and leadership development
- Complete business case studies and assignments to hone analytical, quantitative and technical skills
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, Clorox and Target