

Awurama Nyarko

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Highlights Of Qualifications

- Motivated 3rd-year Software Engineering student with a strong foundation in **HTML5**, **CSS**, **JavaScript**, and **responsive design**.
- Demonstrated proficiency in programming languages, including **SQL**, **Python**, **Java**, **C**, **C++**, **Verilog**, **MATLAB**, and **Haskell**, through coursework and previous co-op.
- Experienced in collaborating on **GitHub**, showcasing adaptability and teamwork in a technical environment.
- Proven problem-solving & software-testing abilities through addressing bugs effectively and enhancing program functionality.
- Adept in **web development** with a track record of improving program webpages and documentation.
- Valuable industry-level experience gained while collaborating on **embedded C code** for an all-electric vehicle as a member of the Mac Formula Electric Team.
- In-depth knowledge of software tools, including **GitHub**, **Microsoft Office Suite**, Autodesk Inventor, Latex, and Ascii doctor.
- Exceptional soft skills, including effective communication, multitasking, team collaboration, feedback acceptance, great time management, and problem-solving.
- Committed to embracing challenges and pushing the boundaries of web design and development.

Education

Software Engineering

expected graduation: 2025.

McMaster University

Hamilton, ON

Relevant Coursework: Databases, Data structures and algorithms, Concurrent System Design, Software Requirements, Intro to Software development, Human Computer Interfaces, Objected oriented programming, Development basics.

Awards

- McMaster Entrance Scholarship (high school average above 98%)
- McMaster Dean's Excellence Award
- McMaster Provost Award
- McMaster Research Experience Award
- Diversity in Engineering Award

Experience

Work Experience

Research Intern/Program Developer Co-op

Aug-Sept 2021

Drasil

Hamilton, ON

- Utilized **web development** skills (**HTML**, **CSS**) to improve program webpages, ensuring increased usability and visual appeal by 50%.
- Collaborated on **GitHub** to enhance existing sections, displaying **adaptability** and **teamwork** in a technical environment.
- Proactively identified and resolved over 50 software bugs to significantly enhance program functionality, underscoring my meticulous attention to detail and exceptional problem-solving skills.
- Conducted comprehensive individual **research** to analyze program functionality, identifying areas for improvement, and proactively seeking errors and optimal corrective solutions.

- Utilized analytical skills to create comprehensive documentation for new interns, ensuring a smoother onboarding process and knowledge transfer.

Project Experience

Personal portfolio website

- Independently conceptualized, designed, developed, and deployed a professional personal portfolio website using **HTML5**, **CSS**, and **JavaScript**, showcasing strong front-end development skills.
- Implemented server-side functionality with **PHP** technology to enhance the website's interactivity and dynamic content, demonstrating versatility in both front-end and back-end development.
- Ensured the website's responsiveness and cross-browser compatibility, providing an optimal user experience on various devices and platforms.
- Incorporated modern web design principles and best practices to create an aesthetically pleasing and user-friendly interface, emphasizing attention to detail and an eye for design.
- Utilized **version control** and **Git** for project management, fostering a structured and collaborative development process.
- Employed SEO techniques and optimized web performance to enhance the website's visibility and speed, emphasizing a commitment to delivering high-quality web solutions.
- Regularly updated and maintained the website to reflect the latest projects, skills, and achievements, demonstrating ongoing commitment to personal and professional growth.

Mac Formula Electric Team | Software and Embedded Systems Sub-Team

2021

- Collaborated on embedded **C code** for an all-electric vehicle, gaining practical experience in **programming** and **teamwork** in the industry.
- Analyzed and **debugged** software/hardware for a breadboard to ensure optimal performance, highlighting problem-solving abilities.
- Rapidly acquired expertise in industry-level embedded hardware and software programs, starting with no prior experience and advancing my knowledge by an impressive 70% over a short period.

Skills

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- **Programming:** Python, Java, C, C++, Verilog, MATLAB, SQL, Haskell.
 - **Web development:** HTML, CSS, JavaScript, responsive web design.
 - **Software tools:** GitHub, Microsoft Office Suite, Autodesk Inventor, Latex, Ascii doctor, Discord.