Emeka Okechukwu

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EDUCATION

Concordia University   **Montreal, Quebec**
Master of Applied Computer Science, **Cumulative GPA: 3.70/4.00**   *Expected Graduation Term: Winter 2024*
- **Relevant Coursework:** Advanced Programming Practices, Algorithm Design Techniques, Software Process and Practices, Distributed System Design

Ashesi University   **Eastern Region, Ghana**
Bachelor of Computer Science   *Graduation Date: June 2021*
- **Relevant Coursework:** Software Engineering, Information and Security Systems, Web Technologies, Networks and Data Communication, Operating Systems, Computer Organization and Architecture, Human Computer Interaction, Data Structures and Algorithms

WORK EXPERIENCE

Dataware   **Remote Work**
Software Developer (Independent Contractor)   *August 2021 – Present*
- Manage 7 web applications, including content updates and debugging while documenting changes to guarantee usability
- Designed 5 custom WordPress websites with CSS based on Figma design wireframes, consistently meeting client needs
- Developed an interactive online learning platform using Moodle, hosted on DigitalOcean for optimal performance

Google Summer of Code 2021 participant with Open Data Kit under Digital Impact Alliance | GitHub   **Remote Work**
Software Engineering Intern   *May 2021 – August 2021*
- Increased the accessibility and usability of the ODK-X Survey for non-Gregorian calendar users with HTML, CSS, and JavaScript calendar prompts
- Utilized Git version control and the GitHub interface to effectively collaborate in a virtual, dynamic team setting
- Demonstrated strong communication skills by providing near-daily updates to mentors on project progress

FASYL Technology Group   **Greater Accra, Ghana**
Full Stack Web Developer Intern, Technical Support Intern   *June 2018 – August 2018*
- Programmed a single-page application to generate vouchers using Agile best practices, HTML, CSS, Python, Flask, and Angular in a team of 4
- Facilitated a 13% increase in customer utilization of intellectual property through troubleshooting customer process gaps
- Collaborated with the Head of Software Development to build the iOS front-end UI layout for ADB Bank using Swift

PROJECT EXPERIENCE

Research Hub | Website | GitHub
Full-Stack Web Developer   *September 2020 – Present*
- Coded a responsive web application using PHP, HTML, CSS, JavaScript, jQuery, Bootstrap, and MySQL to optimize research conducted by faculty members at Ashesi University
- Created automated test scripts using PHPUnit to detect & correct errors, reducing manual testing time by 70%
- Surveyed 12 faculty members to identify research challenges and devise strategies to improve key areas
- Created 5 interactive user-centered designs using Figma, resulting in successful delivery of wireframes, low- and high-fidelity prototypes, and improved UX

LEADERSHIP/VOLUNTEER EXPERIENCE

Heal The Streets   **Greater Accra, Ghana**
Mentor, Volunteer   *September 2017 – May 2018*
- Assisted 13 street children in preparing for high school through personalized counseling on organization and preparedness
- Facilitated hospital visits and insurance registration for 60 street children to improve healthcare access

SKILLS AND INTERESTS

Languages: HTML5, CSS3 (+ SCSS), SQL, C++, JavaScript ES6+, PHP, Java, Python

Frameworks: ReactJS (+ Hooks), Bootstrap, Material-UI, NodeJS, Jest, Django

Technology: MySQL, Git, GitHub, AWS