Kwasi Sarfo Fosu

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EDUCATION

Ohio State University College of Arts and Sciences   Columbus, Ohio

B.S. in Computer and Information Systems, Minor in Information Security | GPA: 3.578 | Expected Graduation: May 2026

Coursework: Programming Java, Calculus I, Software I, Software II, Data Structures & Algorithms I

TECHNICAL SKILLS

Programming Languages: Java, Python, C, HTML, XML, Subversion (SVN), CSS, JavaScript

Technology/Skills: Eclipse, Git, Linux

PERSONAL & TECHNICAL PROJECTS

Personal Website | HTML + JS + CSS + React + TailwindCSS

- Developed a dynamic personal portfolio website to showcase my skills and projects.
- Learned and leveraged HTML, JavaScript, CSS, React, and TailwindCSS to create an engaging, responsive platform that highlights my passions and expertise in software development.
- Implemented advanced front-end techniques to ensure a seamless, aesthetic user experience while managing state and style with React and TailwindCSS, respectively.

Word Hunt | C

- Developed a "word hunt" game in C implementing algorithms to search for words in a matrix in eight different directions, enhancing problem-solving and algorithmic skills.
- Utilized static arrays, pointers, and string handling in C to efficiently manage memory and perform string comparisons, demonstrating proficiency in low-level programming and data structure manipulation.
- Employed rigorous testing and debugging techniques to ensure the reliability of the program.

Map with Hashing | Java

- Developed a Map data structure in Java utilizing a layered hashing algorithm, where each bucket in the hash table is itself a Map object, showing innovative use of data structures and algorithms to optimize search efficiency and handle collisions.
- Tested and debugged the implementation by developing detailed test plans based on specifications, ensuring the correctness and reliability of essential operations such as add, remove, and search within the Map.

Glossary | Java + HTML

- Developed a Glossary application in Java that generates a group of HTML files from an input text file, including a top-level index and separate pages for each term and its definition, showing knowledge in file I/O and HTML content generation.
- Implemented alphabetical sorting of terms and navigation links within the glossary, enhancing user experience by providing easy access to term definitions and related terms.
- Designed the application to handle user input for file paths and output folder locations, ensuring flexibility and ease of use for generating glossaries from various sources.

Program and Statement Parser | Java + BL

- Developed a recursive-descent parser for the BL language as part of a team project, demonstrating proficiency in compiler design and implementation.
- Worked with members of a team utilizing a repository to share and collaborate on code.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow | Career Prep Fellow   January 2024 – Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies to grow leadership and technical skills
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, Apple, Netflix, Jane Street, and Target

ColorStack Ohio State Chapter: *Executive Board Member | Corporate Chair*   August 2023 - Present

- Foster members of engineering students to increase the number of Black and Latinx students get degreed and hired
- Lead all corporate connections between Ohio State's chapter and corporate connections (ex. JP Morgan & Chase and Adobe)

The Ohio State University | Residential Advisor   August 2023 - Current

Ohio State University's Center of African Studies: *Ambassador*   April 2024 – Present

Morrill Scholarship Early Arrival Host: *Peer Leader*   August 2023 – Present

National Society of Black Engineers (NSBE): *General Member*   August 2022 – Present

INTERESTS

- **Career:** Machine Learning, Research, Website Development, AI Development, Software Engineering
- **Personal:** Photography, Competitive Gaming, Volunteering, Cultural Diversity, Anime, Fashion, Culinary Studies