Aafaf Sophia Moustafa

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EDUCATION

University of Michigan **Ann Arbor, MI**
Bachelor's Degree: Computer Science and Bachelor of Information: UX Design May 2025
- **GPA:** 3.93/ 4.0
- Proficient in C++, Python, HTML, CSS, and JavaScript, a novice in Figma

Washtenaw Community College **Ann Arbor, MI**
- *Associates Degrees: General Studies in Math and Natural Sciences* May 2021
- *Associates Degree: Liberal Arts Transfer*
- **GPA:** 3.98/ 4.0
- **Course Highlights:** Calculus, Life-Span Psychology, Exercise Science, Arabic

Washtenaw Technical Middle College **Ann Arbor, MI**
- *Highschool Diploma* May 2021
- **GPA:** 3.97/ 4.0

RELEVANT COURSEWORK

- **EECS 281: Data Structures and Algorithms**
  - Advanced expertise in elaborate data structures and algorithms as well as optimizations of time and space
  - Gained advanced knowledge of stacks, queues, priority queues, binary heaps, and hash tables.
  - Became proficient in the use of high-level sorting and path-finding algorithms and dynamic programming
- **EECS 280: Programming and Introduction to Data Structures:**
  - Mastered best practice testing, as well as recursion, pointers, binary search trees, and linked data structures
  - Created a Machine Learning program, efficiently used container ADTs, dynamic memory, and the Big Three
  - Built an image resize program, using a seam-carving algorithm, utilizing debugging, testing, pointers, and string streams, to crop images in a content-aware fashion. Sifts through content to remove unimportant pixels
- **SI 339: Web Design Development and Accessibility**
  - Programmed with HTML, CSS, and JavaScript and studied best practices for online inclusivity
  - Built a personal portfolio website utilizing HTML, CSS, and JavaScript, designed with flex and grid structures and media queries to ensure its compatibility with all screen widths.
- **SI 334: Persuasion and Social Influence**
  - Analyzed social dynamics and human behavior to better understand and design persuasive messages
  - Created persuasive campaigns that solve real-world problems utilizing persuasion and influence strategies

LEADERSHIP EXPERIENCE

MASH MAGAZINE **Ann Arbor, MI**
Web Design Chair January 2023 - Current
- Demonstrated proficiency in UX Design and Computer Science principles by enhancing the online platform
- Utilized proper UX heuristics to maximalize the user experience, design aesthetic, and maintain an engaging site.
- Collaborated closely with the editorial team to align the themes and goals of the organization with the deliverable

University of Michigan North African Student Association **Ann Arbor, MI**
Social Media Director and Design Coordinator August 2022 - Current
- Developed and executed media strategy resulting in a 41.4% and 5,650% increase in followers and engagement
- Designed attractive, informative flyers to adequately package core club values into demographic-specific content.
- Leveraged interactive stories and valuable advertising, to convert online transactions into real-world interactions.

RELEVANT CLUBS: GEECS - Girls in Electrical Engineering and Computer Science, **SWE**: Society of Women Engineers

SKILLS AND AWARDS

- Awarded Summa Cum Laude for maintaining an unweighted GPA above 3.9 while receiving associate degrees
- Experienced in Microsoft Word, Powerpoint, and Excel
- University of Michigan Olympic Weightlifting focused on strength and resistance training helps mind-body connection and heightens time management skills