Nadin Agour

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EDUCATION

University of Michigan - *Bachelor of Engineering*   **Ann Arbor, MI**
Major: Computer Science Engineering   **Minor**: User Experience Design   December 2025
Relevant coursework: Data Structures/Algorithm, Human-Centered Software, Discrete Math I & II, Bldg Data Driven Application, Database Management System, Computer Organization, Linear Algebra.
Washtenaw Community College, *Associate in Engineering*   July 2022 - August 2023

SKILLS

Programming: C++, C, Python, SQL   **Languages:** English, Arabic, Turkish
Frameworks: VS Code, X Code, GitHub   **Software:** Microsoft365, Google Workspace, Adobe
Web Development: CSS, HTML

SOFTWARE DEVELOPMENT PROJECT EXPERIENCE

Resize Image:
- Developed a smart seam-carving program that dynamically resizes images using mathematical algorithms, optimizing memory efficiency through strategic pointer usage.

Euchre Game:
- Designed a C++ interface enabling users to play Euchre with simulated players, implementing game strategies through object-oriented programming for realistic, automated gameplay.

Piazza Classiefer:
- Implemented a binary search tree and used the map abstract data type to build a data container that identifies new posts and displays relevant associated content.

Mine Escape:
- Developed efficient data structures and algorithms with priority queues, and implemented an interface utilizing inheritance and dynamic polymorphism for flexible functionality.

SillyQL:
- Created a program to emulate a basic relational database, featuring an interface that supports a subset of SQL commands.

PROFESSIONAL EXPERIENCE

Central Academy   **Ann Arbor, MI**
Substitute Teacher/Paraprofessional   July 2023 - Current
- Designed and taught coding lessons for children, guiding them through hands-on projects to develop problem-solving skills and bring their ideas to life.
- Tailored lesson plans to support diverse student needs and collaborated with staff to maintain an inclusive, positive learning environment.

College of Engineering, University of Michigan   **Ann Arbor, MI**
Project coordinator   May 2024 – Current
- Coordinated logistical components of Engineering OnRamp, supporting high school students' engagement in college life through 10 STEM programs.
- Utilized Google Workspace to organize documents and schedules, enhancing digital organization and streamlining collaboration across cross-functional teams during key program transitions.
- Guided Program, Student Life and Residential Advisors on strategies to enhance student engagement and support.

Program Advisor   June 2023 – May 2024
- Supported 10 instructors in developing lesson plans and delivering in-class activities on data development and coding, enhancing students' technical skills.
- Guided 80+ students in applying acquired knowledge to urban farming and food/environmental justice projects, using an equity-centered engineering approach to foster community impact.
- Collaborated with faculty, staff, and administrators to ensure alignment with institutional goals and improve program delivery.

Inter-university Consortium for Political and Social Research   **Ann Arbor, MI**
Program Specialist/Assistant   June 2023 – August 2024
- Assisted instructors with 50+ technical issues related to university systems and classroom technology controllers, resolving tickets submitted via the Jira Service Management platform.
- Delivered search engine optimization recommendations to 50+ ICPSR staff members, enhancing website visibility and user experience.
- Conducted usability testing on AI platforms, including ChatGPT and Google AI, collecting statistical data from students to evaluate their effectiveness in data analysis and educational support.