Nadin Agour

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EDUCATION

University of Michigan, *Bachelor's in Engineering*   August 2023 - Current
  Major in Computer Science with a minor in User Experience Design
Washtenaw Community College, *Associate in Science*   July 2022 - August 2023
  Pre-Engineering Science

SKILLS AND CERTIFICATES

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

ACADEMIC EXPERIENCE

Projects using C++:
- **Resize Image:**
  - Implemented a program that uses smart seam carving using mathematical formulas to dynamically resize pictures with extensive use of pointers to maintain efficient memory usage.
- **Euchre Game:**
  - Designed a C++ interface that allows users to play a game of euchre with simulated players executing moves via a programmed strategy through object-oriented programming.
- **Piazza Classifier:**
  - Implemented a binary search tree and utilized the map abstract data type to construct a data container.
  - Developed a program that employs this container to identify new posts and display any pertinent posts associated with them.
- **Mine Escape:**
  - Developed efficient data structures and algorithms using priority queues.
  - Implemented an interface that used inheritance and basic dynamic polymorphism.
- **SillyQL:**
  - Implemented a program to emulate a basic relational database with an interface based on a subset of a standard query language.

PROFESSIONAL EXPERIENCE

Central Academy
Substitute Teacher/ Paraprofessional   July 2023 - Current
- Adapting lesson plans to meet the diverse needs of students, providing individualized support to those requiring additional assistance.
- Collaborating with teachers and staff to maintain a positive and inclusive classroom environment conducive to learning.
- Monitoring student behavior, enforcing school policies, and promoting a safe and respectful atmosphere.
- Primarily substituting for computer science classes, guiding students in creating creative models and projects using coding, fostering *their problem-solving skills and creativity.*

College of Engineering, University of Michigan
Project Coordinator   May 2024 – Current
- Coordinated and manage logistical components of Engineering OnRamp.
- Collaborated with team members on key transitional periods between and during programs.
- Supported *program management team in maintaining digital organization.*

Program Advisor   June 2023 – May 2024
- Assisted with in-class activities delivered by the instructors.
- Worked with small groups of high school students to complete their projects and expand their understanding of the content.
- Collaborated with faculty, staff, and administrators to ensure program alignment with institutional goals.

Inter-university Consortium for Political and Social Research
Program Specialist/Assistant   June 2023 – August 2024
- Helped instructors with any issue with the device that controls every projector and student monitor.
- Leaded events for participants and instructors of the summer program.
- Presented SEOs modification suggestions for the ICPSR website to 50+ staff members.
- Explored AI platforms; ChatGPT, CoPilot, Google AI.