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: Web System, 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 Science*　　　　　　　July 2022 - August 2023

SKILLS

Languages: English, Arabic, Turkish
Software: Microsoft365, Google Workspace, Adobe
Soft Skills: Communication, Time Management, Muli-tasking, Leadership

Programming: C++, C, Python, SQL
Frameworks: VS Code, X Code, GitHub
Web Development: JavaScript, HTML, CSS, Flask, React API

SOFTWARE DEVELOPMENT PROJECT EXPERIENCE

Insta485:
● Developed an Instagram clone with client-side/server-side dynamic pages using React API for front-end, Flask
  for back-end, and SQLite for database, supporting features like user sign-in, posts and comments.

Resize Image:
● Optimized memory efficiency through strategic pointer usage by developing a smart seam-carving program
  that dynamically resizes images using mathematical algorithms.

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 m ap 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 wi th priority queues, and implemented an interface utilizing
  inheritance and dynamic polymorphism for flexible functionality.

To see more of my personal projects, please visit my [portfolio]().

PROFESSIONAL EXPERIENCE

Central Academy　　　　　　　　　　　　　　　　　　　　　　**Ann Arbor, MI**
Substitute Teacher/Paraprofessional　　　　　　　　　　　　　　July 2023 - Current
● Empowered children to develop problem-solving skills and bring their ideas to life by designing and teaching
  engaging coding lessons with hands-on projects.
● Fostered an inclusive, positive learning environment by tailoring lesson plans to diverse student needs and
  collaborating with staff.

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

Program Advisor Intern　　　　　　　　　　　　　　　　　　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 t o foster community impact.
● Collaborated with faculty, staff, and administrators t o ensure alignment with institutional goals and improve
  program delivery.

Inter-university Consortium for Political and Social Research, University of Michigan　　**Ann Arbor, MI**
Program Specialist Intern　　　　　　　　　　　　　　　　　June 2023 – August 2024
● Assisted instructors w ith 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 s taff members, enhancing website
  visibility and user experience.
● Conducted usability testing on AI platforms, including ChatGPT and Google AI, collecting st atistical data from
  students to evaluate their effectiveness i n data analysis and educational support.