

# Nadin Agour

Canton, MI • [nagourrr@gmail.com](mailto:nagourrr@gmail.com) • 734-291-2424 • [LinkedIn](#) • [Portfolio](#)

## EDUCATION

### Eastern Michigan University

*Master of Science in Computer Science*

Coursework: Artificial Intelligence, Mobile Application Development.

Ypsilanti, MI

December 2027

### University of Michigan

*Bachelor of Science in Engineering in Computer Science*

GPA: 3.6/4.0

Ann Arbor, MI

December 2025

Coursework: Operating Systems, Web Systems, Data Structures/Algorithms, Human-Centered Software, Building Data Driven Application, Database Management System, Computer Organization, Linear Algebra.

## SKILLS

*Programming and Framework:* C++, C, Java, Python, SQL, LISP, VS code, GitHub

*Web Development:* HTML, CSS, Flask, JavaScript, React API, WordPress

*Software:* Microsoft 365, Google Workspace, Adobe, Auto CAD, Jira

Languages: English, Arabic, Turkish

## WORK EXPERIENCE

### University of Michigan

Ann Arbor, MI

*Website Developer, Michigan Engineering Zone*

June 2025 - Present

- Develop and maintain the MEZ website using WordPress to enhance intuitive interface experience for diverse users.
- Conduct usability testing and incorporated feedback to optimize navigation, and content presentation, improving navigation efficiency and time-on-page metrics.

### Project Coordinator

June 2024 – August 2025

- Led cross-functional technical and instructional teams to deliver 10 STEM programs, managing workflows, dependencies, and execution for programs serving 90+ students.
- Designed and implemented a scalable Canvas learning platform to automate onboarding and training, using structured stand-ups and progress tracking to optimize delivery and reduce operational friction.
- Delivered data-driven presentations to stakeholders summarizing outcomes, challenges, and improvement opportunities.

### Inter-University Consortium for Political and Social Research

Ann Arbor, MI

*Program Specialist Intern*

June 2023 – August 2024

- Conducted usability testing on AI platforms (e.g., ChatGPT, Copilot), collecting and analyzing student data to evaluate effectiveness for educational support and user experience.
- Assisted instructors with 50+ technical issues related to university technology systems, resolving tickets through Jira Service Management platform.
- Delivered SEO optimization strategies and analytics insights to improve web platform visibility and user engagement.

## PROJECT EXPERIENCE - SOFTWARE DEVELOPMENT

### University of Michigan

Ann Arbor, MI

#### Insta 485

- Implemented a client-side dynamic Instagram clone with React and Flask REST API for posts, likes, and comments using asynchronous JavaScript and real-time UI updates.
- Implemented infinite scrolling, dynamic content loading, and double-click to like for a real-time user experience.

#### Multi-threaded Pizza Delivery System

- Designed and implemented a concurrent pizza-delivery simulator in C++ supporting D drivers and C customers using custom thread library (CPU, threads, mutexes, cv).
- Ensured thread safety, liveness and correctness through synchronization to prevent race conditions and deadlocks.

#### Mini Google Clone

- Developed a scalable Python-based search engine using MapReduce, implementing a segmented inverted index, integrating TF-IDF and PageRank scoring, and deploying REST API and dynamic search servers.

#### Image Processing System

- Implemented energy-based image resizing in C++ using dynamic programming and optimization over pixel grids.
- Computed pixel energy maps and minimum-energy seams, applying foundational computer vision principles.