EISSA HAYDAR

(734) 882-3734 ⋄ ehaydar@umich.edu

EDUCATION

Bachelor of Science — Class of 2024
University of Michigan, Ann Arbor (GPA: 3.939, James B. Angell scholar)
Majors in Mathematics and Honors Philosophy; Minor in Computer Science

Math:	Mathematical Logic / Model Theory (Math 681)	Recursion Theory (Math 684)
Computer Science:	Data Structures and Algorithms (EECS 281)	Machine Learning (EECS 445)

SKILLS

Languages: Native English & Arabic, Professional Working Spanish, Elementary Italian
Technology: Programming (C++, Python, Arduino), LaTeX, Fusion 360, Mac, Windows

EXPERIENCE

Instructional Aide, EECS 543: Ethics in AI and Robotics — Winter 2024
- Selected to be an IA for EECS 543, taught by Dr. Benjamin Kuipers, next semester.

Michigan Mathematics REU (NSF-Funded Research) — Spring 2023 - Present
- Award title: Information Coded in Mathematical Structures
- Researching infinitary continuous logic, integrating learnings in computability theory and logic.
- Submitted "A computability-theoretic characterization of $[0, 1]$ up to homeomorphism among Polish spaces" to the REU, working towards publication.

Meteorite Journal — 2022 - Present
- Editor-in-Chief (2024 edition): revamped the Meteorite website and spearheaded the new blog.
- Editor, Typesetter (2023 edition): processed 38 submissions to 4, composed a cohesive journal in LaTeX.

SuccessConnects Tutor, Office of Academic Multicultural Initiatives — Fall 2022 - Winter 2023
- Tutored UM students individually for entire semesters, precalc-calc3, linear algebra, and intro CS.

Mathematics Instructor, Mathnasium — Fall 2020

Peer Writing Tutor, Washtenaw Community College — Winter 2020

PROGRAMS & CONFERENCES

University of Michigan Logic Seminar — Attending January 2022 - Present
- Presented "Basic model-theoretic notions for continuous logic" on 02/01/2023.
- Presented "An Introduction to Scott Analysis" on 06/21/2023.
  - Gave a shorter-form version to UM's REU seminar on 6/27/2023.

UC Irvine Department of Logic and Philosophy of Science — Summer Diversity Program — August 2022

University of Michigan New England Literature Program — April - June 2022
- Technology-less 9-credit class based in New Hampshire, reading Transcendentalists, abolitionists, etc.

ADDITIONAL EXPERIENCE

Mani Osteria & Bar (Busser) — Summer 2023 - Fall 2023

Syrian Students Association (Community Outreach Lead) — Fall 2023 - Winter 2024

Michigan Women's Ice Hockey (Student Team Manager) — 2022 - 2023 Season
- Organized finances, merchandise, ticket sales, and crowd logistics

First Robotics Team 6101 (Director of Mechanics) — Fall - Winter 2020