

Elijah Cantu

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EDUCATION

University of Michigan School of Information

Ann Arbor, MI

MS: Information | Awards: Full-Tuition (UMSI Go Blue Graduate Scholarship)

Aug 2025 - May 2027

University of Michigan College of Engineering

Ann Arbor, MI

• BSE: CS | Minor: UX Design (UMSI) | Awards: Full-Ride (Wolverine Pathways)

Aug 2021 - Aug 2025

• Abroad: Studied in Shanghai, China; Aachen, Germany; and Prague, Czech Republic, with full funding.

EXPERIENCE

University of Michigan Robotics Department

Ann Arbor, MI

• Research Assistant

Jan 2025 - Present

- Conducted a social media ethnography of Amazon Astro robots, analyzing 2,000 posts from 500 users over 3 years.
- Applied mixed-methods analysis (qualitative coding and quantitative modeling) to examine emotional attachment.
- Authored [CHI 2026](#) submission: *Longitudinal Relationships between Social Robots and Their Families at Home*.

• Web Developer

Nov 2024 - Present

- Developing [lab](#), [reading group](#), [course](#), [event](#), and personal websites for Professor [Patrícia Alves-Oliveira](#).

RWTH Aachen University

Aachen, Germany

• Process Mining Researcher

May 2025 - Aug 2025

- Designed and implemented [Webel](#), a Chromium-based browser extension for logging detailed web browsing events.
- Structured event traces to enable process mining analysis of user browsing behavior and navigation patterns.
- Developed export functionality for standard data formats to support downstream analysis in process mining tools.
- Authored a [submission](#) accepted into the [ICPM 2025](#) Tool Demonstration Track for Webel.

University of Michigan College of Engineering / School of Information

Ann Arbor, MI

• Computer Science Tutor

Jan 2022 - Apr 2025

- Tutoring students in intro to graduate-level courses on projects, exams, homework, labs, discussions, and lectures.
- Contributed over 1,500 answers, follow-ups, and notes on Piazza course forums.

Adient Plymouth CTU Technical Center

Plymouth, MI

• Product Engineer Intern - Honda Department

Aug 2019 - Mar 2020

- Reviewed warranty returned parts and conducted root cause analysis to determine failure mechanisms and patterns.
- Analyzed recurring failures across product lines to identify systematic quality issues requiring design improvements.
- Collaborated with design engineers and manufacturing teams to investigate consistent failure modes.
- Documented findings and presented recommendations to cross-functional teams to improve product reliability.

• Business Analyst Intern - RECARO Department

Aug 2018 - July 2019

- Developed quarterly financial reports analyzing cost structures and revenue performance for RECARO product lines.
- Created data visualization dashboards to track key performance indicators and financial metrics.
- Conducted market analysis and competitive benchmarking to support strategic business decisions.
- Collaborated with finance and operations teams to identify cost optimization opportunities.

Gesher Human Services

Detroit, MI

• Direct Support Professional Intern

Oct 2017 - Jun 2018

- Supervised and supported adults with developmental disabilities in community-based activities and volunteering.

LEADERSHIP

[Unplug UMich](#)

Ann Arbor, MI

• President

Sep 2025 - Present

- Founded a student organization focused on digital wellness and screen time management.
- Developing tutorials for device restriction and content blocking to support healthier digital habits.