Ethan McIntyre

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EDUCATION

University of Michigan — Ann Arbor, MI
Bachelor of Science in Computer Science, Minor in Business Administration — *Aug 2022 – May 2026*
- GPA: 3.476/4.000
- Classes: Software Engineering (EECS 481), Web Systems (EECS 485), AI & ML (EECS 492), Data Structures & Algorithms (EECS 281), Computer Organization (EECS 370), Foundations of Comp Sci (EECS 376)

Universidad de Alicante — Alicante, Spain
Spanish Study Abroad — *May, 2024 – June, 2024*
- Engaged in 5-hour instructional days, 4 days a week, conducted entirely in Spanish, leading to significant improvement in writing, reading, and grammar abilities
- Undertook 4 school-sponsored educational treks to Valencia, Granada, Guadalest, and Palma, gaining in-depth knowledge and appreciation for regional histories and cultures

EXPERIENCE

Data Manager — Jan. 2025 – Present
Detroit Neighborhood Entrepreneurs Project — *Ann Arbor, MI*
- Led a semester-long project to remodel internal data systems, migrating from excel spreadsheets, google forms, and emails to a cloud database with automations, scripting, and data validation
- Built the central CRM database using Airtable to store client data on 1000+ small businesses in Detroit, enabling staff to record meetings with clients and organize clients across different stages in the pipeline
- Wrote Python scripts to perform operations on CSVs using Pandas, cleaning thousands of records in seconds
- Wrote JavaScript scripts triggered automatically upon meeting certain conditions, performing internal operations on table data and external operations like sending emails and notifications

Front-End Developer — June 2024 – Aug 2024
Streetmeet Inc. — *Ann Arbor, MI*
- Assisted development of a full-stack mobile application using React Native, Kotlin, Swift, Rust, and MongoDB
- Enhanced skills in pair programming, code reviews, Git source control, and collaboration with designers via Figma, while meeting regularly with a project manager, learning how to work efficiently as part of a cross-functional team
- Took initiative with incorporation, delegation, and applications for legal services and startup funds like Y Combinator and Spark, securing essential resources, funding, and business learning opportunities

Clerk — Jan. 2023 – May 2024
Ross School of Business — *Ann Arbor, MI*
- Managed the front desks of two large office suites, facilitating interactions between students and faculty
- Documented and researched business data for DNEP, a program within Ross that seeks funding, advice, sponsorships, and hands-on teaching opportunities from local Detroit businesses to integrate into Ross coursework
- Distributed 500+ acceptance letters and merchandise for 15 Ross Graduate Programs

PROJECTS

Developer Portfolio | *TypeScript, React (Router, Redux), Node.js, MongoDB, Amazon S3, Framer Motion*
- Built a full-stack hub for my projects integrating dynamic posts, animations, and responsive UI for web and mobile
- Implemented complex forms to allow for creating and editing posts with essays, images, links, and videos
- Incorporated best practices for responsive websites with flexbox, presenting an smooth experience from any device

SongChaser (MHacks Hackathon Winner) | *Python, TypeScript, Flask, Node.js, MongoDB, React* — Sep. 2024
- Awarded "Intel - 3rd Place Best Use of Intel AI" out of 132 projects, winning $1,500 and 3 Intel GPUs
- Gamified the project allowing users to authenticate with Spotify and compete against each other in real-time
- Used Flask to host the A* and the KNN algorithms manually trained on 10,000 songs using Intel's AI PC

SKILLS

Languages: JavaScript/TypeScript, C/C++, Python, HTML/CSS
Frameworks: React, Next.js, React Native, Node.js, Express.js, Flask, MongoDB, Firebase, Airtable, Trello
Developer Tools: Git/GitHub, Expo/EAS, Google Console, Apple Developer, TestFlight
Miscellaneous: Proficient Spanish Speaker, Hobbyist Skydiver, Competitive Ballroom Dancer, Guitarist/Pianist