

Conleth J. Stead

Detroit, MI | conleth@umich.edu | (734) 678-5322 | [linkedin.com/in/conlethstead](https://www.linkedin.com/in/conlethstead) | conlethstead.github.io

EXPERIENCE

Ford Motor Company

FCG Software Engineer

September 2024 – Present

- Contributed to the development of a promotional website for Ford Bronco Overlanding Adventures, helping to build an MVP in 2.5 months which generated \$100k in sales in 2024 and built a waitlist of over 90 people for 2025 experiences.
- Reduced design inconsistencies by 50% by developing a reusable image and disclaimer component with React and JavaScript, utilized multiple times on every page of our website, leading to improved user satisfaction and streamlined development processes.
- Enhanced team productivity and morale by leading retrospectives to address burnout and implementing a pair-switch strategy, which accelerated problem-solving by 30%. Facilitated FCG sessions that improved project demoing and presentation skills, resulting in more effective stakeholder engagement.
- Leveraged advanced Figma skills to create reusable components and UX prototypes within Ford's Motion guidelines. Streamlined development processes by guiding developers on component structuring, resulting in a 15% reduction in design-related delays. Seamlessly covered for the product designer for a two-week period to ensure on-time product releases.

Software Engineer Intern

May 2022 – April 2023

- Collaborated on the creation of a new survey tool, enhancing survey development efficiency by weeks, and improved data handling through a custom drop-down menu library using full-stack development.
- Led and mentored new interns in paired programming, test-driven development using React, JavaScript, and Kotlin, to foster a collaborative and engaging work environment.
- Innovated REST API and database development, integrating webhooks for user data access. Successfully deployed the application to production which enabled user feedback, increasing user engagement.

Extracorporeal Life Support Organization

Intern, Publications Assistant

May 2021 – May 2022

- Directed a comprehensive website renovation, including home page redesign, navigation improvements, and content restructuring. This project reduced bounce rates by 15% and increased user engagement by 20%.
- Conducted due diligence on 16 competitors and conducted interviews with 40 members of ELSO for strategic planning on membership decisions.
- Presented all projects to the Board of Directors.
- Managed ELSO Red Book inventory by invoicing, documenting, and communicating with ELSO members

EDUCATION

University of Michigan – College of Literature, Science, and the Arts

Bachelor of Science in Computer Science, Minor in Entrepreneurship

2020 – 2024

- **Courses:** Advanced Operating Systems, Web Systems, Data Structures and Algorithms, Introduction to Artificial Intelligence, Introduction to Computer Organization, Foundations of Computer Science
- **Extracurriculars:** Michigan Club Boxing Team, Rec 3v3/5v5 basketball

University of Michigan UROP

Research Assistant

2020 – 2021

- Worked in a diverse 10-member group to recreate a map of Michigan's North Campus roads for a virtual driving simulator.
- Uploaded LiDAR, aerial, and Google Maps data to assemble the map based on a driver's point of view.

SKILLS & CERTIFICATIONS

- **Languages/Technologies:** JavaScript, C/C++, Python, Kotlin, Swift, React, Axios, GCP, Spring Boot, Figma
- **Certifications:** Stanford's Machine Learning Specialization

INTERESTS

Cooking | Drawing | Soccer | Basketball | Boxing | Chess