Conleth J. Stead

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EDUCATION

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

Bachelor of Science in Computer Science, Minor in Entrepreneurship   *September 2020 – May 2024*

- **Courses:** 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

EXPERIENCE

Ford Motor Company

Software Engineer Intern   *May 2022 – April 2023*

- Collaborated with interns and stakeholders to create a new survey tool that improves survey development efficiency by weeks.
- Enhanced a drop-down menu library to share, archive, and export data from survey questions, utilizing full-stack development.
- Crafted sustainable code through integration tests, refactoring techniques, and agile development practices.

Ford Motor Company

Software Engineer Intern   *May 2023 – August 2023*

- Led new interns on paired programming, test-driven development, and frontend/backend languages, and improved the intern culture by modeling a more engaging work environment.
- Pioneered the development of the REST API and database, seamlessly integrating webhooks for user data access. Leveraged Kotlin, Axios, Docker, and React Native.
- Deployed the frontend to a production site and helped gather user feedback to improve the app's focus.

Extracorporeal Life Support Organization

Publications Assistant   *February 2021 – May 2023*

- Managed inventory including invoicing, documenting, and communicating with ELSO members.
- Performed global shipping including labeling, boxing, and tracking.

Extracorporeal Life Support Organization

Intern   *May 2021 – August 2021*

- Led a team to renovate the website, including the site map, page branding, and the header and content flow reconstruction, removed inconsistencies and outdated information, created new pages, and redesigned the home page.
- Updated 110 IT Policies and Procedures to the National Institute of Standards and Technology format.
- 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.

University of Michigan UROP

Research Assistant   *August 2020 – May 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.
- Exposed to and produced academic writing; presented my work at a research symposium.

SKILLS

- **Languages**: HTML/CSS/JavaScript, C/C++, Python, Kotlin, Swift
- **Technologies**: Git, React, MongoDB, Axios

INTERESTS

Cooking | Drawing | Soccer | Basketball | Boxing | One Piece