**Andrew T. Kasper**

37286 Bennett St. Livonia, MI 48152 **│** atkasper@umich.edu **│** 734-658-4044**│** [www.linkedin.com/in/andrewtkasper](http://www.linkedin.com/in/andrewtkasper)

**EDUCATION**

**University of Michigan**    **Expected Graduation: April 2026**

*Major***:** B.S, Computer Science, School of Literature, Science, and Arts *GPA*: 3.5/4.00

*Minor*: Business Administration, Ross School of Business

*Honors & Awards:* Residence Hall Leader of the Year, Dean’s List, Student Life Groundbreaker

*Scholarships*: University Leadership Grant, Research Fellowship

**TECHNICAL SKILLS**

*Tools*: Git, QT, Flutter, MUI, Microsoft Office, G-suite, WordPress, Final Cut Pro, Canva, Figma, AWS, VS Code, Azure

*Technical Concepts*: Data Structures and Algorithms, Object Oriented Programming, Graphical User Interface design, Computational Complexity, Functional Programming Languages, RNN, LLMs, Shell Scripting, Machine learning, Artificial Intelligence

*Frameworks/Languages*: C++/C, Python, Swift, JavaScript, R, HTML, CSS, Svelte, Next.JS, TensorFlow, React, .NET, Dart,

**EXPERIENCE**

**University of Michigan School of Information**    **June 2024 – Present**

*Research Assistant, Development* *Ann Arbor, MI*

* Develop and research for the Social Computing Lab as an assistant to a Doctoral Student
* Implement research methods, data gathering, and other programming related tasks
* Contribute to research while adhering to strict confidentiality agreements

**Earth Brands Inc.**  **May 2024 – August 2024**

*Software Engineer Intern*  *Hybrid, New York, NY*

* Deployed software focused on automatic custom invoicing and order processing, connecting the company' e-commerce platform with domestic production facilities and warehouses for real-time inventory management and production adjustments
* Implemented data synchronization protocols, reducing lead times for expedited custom orders as well as automated sales workflows to minimize custom order return ­rates and enhance order accuracy
* Contributed to the design and implementation of the new company webstore, ‘earthstore’, integrating dynamic elements to enhance user experience and engagement, effectively improving customer interaction and retention rates

**The Michigan Daily Jan 2024 – June 2024**

*Junior Software Engineer*  *Ann Arbor, MI*

* Contributed to mobile app updates and general website functionality, including new games section additions
* Spearheaded development and research with Michigan Daily’s geo-mapping software for geographic article mapping

**SPARK Electric Racing**    **Aug. 2023 – Jan. 2024**

*Software Developer, Display Software Ann Arbor, MI*

* Worked on the development and testing of a TFT display for the electric motorcycle project FBS
* Developed data processing pipelines to convert electrical system outputs into user-friendly formats for real-time monitoring and post-race evaluations, including real-time adjustments to power levels and traction control

**LEADERSHIP & PROFESSIONAL DEVELOPMENT**

**Tau Epsilon Kappa (TEK), Technological Professional Fraternity**   **Sept. 2022 – Present**

*President*   *Ann Arbor, MI*

* Oversee planning and execution of events, projects, and alumni relations events of the fraternity
* Facilitate workshops, lecturers, hackathons, and collaborations with various groups across campus and alumni to expand the professional network of TEK’s members

**Residence Halls Association**  **Apr. 2023 – April 2024**

*Advisor of Finance*  *Ann Arbor, MI*

* Oversaw the financial operations of the Residence Halls Association of the University of Michigan
* Advised and managed a budget of $600,000 for over 20 Hall Council and Student Groups

**Eagle Scout, Adult Leader**  **Mar. 2019 - Present**

*Troop 271, Michigan Crossroads Council Livonia, MI*

* Achieved the rank of Eagle Scout, the highest honor in the Boy Scouts of America
* Advise prospective Eagle Scouts on their journey to Eagle
* Active adult leader for the Mackinac Island Scout Service Camp, Honors Guard Program