

Taylor Lane

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EDUCATION	UNIVERSITY OF MICHIGAN - College of Literature, Science, and the Arts Bachelor of Data Science and Bachelor of Computer Science, April 2026 Ann Arbor, MI <ul style="list-style-type: none">University HonorsGPA: 3.7/4.0Relevant Coursework: Calculus I-III, Introduction to Statistics, Discrete Math, Programming and Data Structures, Data Structures and Algorithms, Statistical Computing, Second Year Spanish
SKILLS	<ul style="list-style-type: none">C++, Python, R, HTML, JavaScript, CSS, SQL, SEO, VS Code, debugging, Node.js
PROJECTS	Vector Calculator <ul style="list-style-type: none">Designed and implemented a vector calculator from scratch using C++, and later translated it into JavaScript for a web-based application.Developed a responsive web interface using HTML and CSS, allowing users to perform vector operations such as addition/subtraction, dot products, angle between vectors, and cross products.Improved user experience by implementing real-time calculations and input validation, ensuring accurate vector results and a seamless interaction, even with user error.
EXPERIENCE	University of Michigan School of Engineering Ann Arbor, MI
May 2024- <i>Present</i>	Tour Leader <ul style="list-style-type: none">Utilized strong analytical and communication skills to effectively convey complex information about 18 engineering majors to diverse audiences, ensuring clarity and engagement throughout 50+ tours for over 300 prospective students and families.Demonstrated problem-solving and time management skills by delivering detailed, data-driven presentations within a 45-minute time frame, adapting content based on audience needs, and ensuring efficient tour experiences.
Sept 2023- <i>Present</i>	Michigan Data Science Team Ann Arbor, MI Programmer and Social Committee Member <ul style="list-style-type: none">Developed an innovative AI-powered bot using Python leveraging natural language processing algorithms to efficiently tackle Wordle puzzles, resulting in a solving success rate of 87%.Revitalized user interfaces and elevated overall user experiences through strategic application of design principles, resulting in a visually compelling and user-friendly product.
Jan 2023- <i>Present</i>	Rem and Company Ann Arbor, MI VP External and Consulting Strategist <ul style="list-style-type: none">Cultivated and maintained industry partnerships and alumni connections, planned fundraisers, and hosted professional development events to support members in the mission of providing pro-bono consulting services for female- and minority-owned small businesses.Performed website and SEO keyword analysis for two clients using accessibility validators and Google search trends to create a website design mockup using Figma and SEO strategy slide deck in order to increase our clients' visibility and website traffic.Analyzed business costs and revenues with Excel to develop a tiered pricing strategy for our client that maximizes revenue and profitability while remaining competitive in the market.Conducted marketing research on five competitors of client to identify consumer trends, competitor activities, and new market opportunities, and translated insights into effective client marketing social media campaigns and KPI charts for TikTok and Instagram.
Aug 2022 – <i>Present</i>	Center for Campus Involvement at the University of Michigan Ann Arbor, MI Program Coordinator <ul style="list-style-type: none">Managed event planning for the CCI by communicating with student organizations to ensure participation, securing appropriate venues, coordinating with various vendors, and leading student teams to properly staff events, ultimately hosting over 10 successful events over each school year.Organized program evaluations and gathered feedback from participants and attendance tracking platforms to assess program effectiveness, identify areas for improvement, and ensure that events were accessible to a diverse population of more than 500,000 students.