AIDAN M. SZUCH

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EDUCATION

University of Michigan, Ann Arbor, MI   *April 2025*
BSE in Computer Science (Summa Cum Laude), MSE in Computer Science

EXPERIENCE

Executive Office of Governor (EOG) Gretchen Whitmer, Lansing, MI   *May 2023 - April 2024*
Operations Intern
- Present analysis of trends and incongruencies in internal audits and progress reports to COO to guide discussion of project statuses and future budget allotments with cabinet leadership
- Communicate with cabinet directors regarding goals for their departments, areas of improvement, and supportive measures from EOG to maximize efficiency and state spending
- Design tracking tools to measure statewide progress towards executive directives and internal guidelines
- Staff media events and track coverage to ensure alignment with the Governor's intended public-facing image

Dokkio, San Mateo, CA   *February 2023 - May 2023*
Product Management Intern
- Met daily with CEO and CTO to discuss project trajectories, UI/UX design, and core product functionality
- Collaborated with four colleagues in regular go-to-market meetings focused on expanding customer acquisition strategies, monitoring the health of existing ad campaigns, and defining the key elements of our product and brand
- Maintained regular reports of user analytics to track onboarding success, ad conversion rates, and account activity

University of Michigan Mars Rover Project Team, Ann Arbor, MI   *August 2021 - November 2022*
Software Branch, Teleoperations Subteam
- Wrote and optimized closed-loop path-planning inverse kinematics control system to assist operation of a robotic arm with six degrees of freedom within a team of four computer science students using version control softwares
- Implemented functionality for GUIs to communicate with embedded softwares using LCM channels for arm control, autonomous navigation, and astrobiological testing
- Integrated and tested code with rover and arm hardware in preparation for preliminary and critical design reviews

LEADERSHIP

Chi Psi Fraternity, Ann Arbor, MI   *February 2022 - Present*
Philanthropy and Service Chair
- Lead philanthropy board tasked with brainstorming ideal events and beneficiaries to maximize student donations
- Organize an on-campus haunted house fundraiser to collect over $1000 in donations in one night
- Manage relations with local non-profit organizations to set up service events benefiting Ann Arbor Park District

University of Michigan Triathlon Club, Ann Arbor, MI   *August 2021 - Present*
Apparel Chair
- Collaborated with 8-person executive team handling team logistics, apparel and team branding, and recruitment
- Finished at 2022 & 2023 Ironman 70.3 Michigan and 2023 Chicago Marathon

Dare2Tri, Chicago, IL   *June 2019 - July 2023*
Paratriathlete Guide, Handler, Volunteer
- Aided visually-impaired, ambulatory, and wheelchair athletes in Dare2Tri triathlon camps and races
- Piloted tandem bicycle, managed swim and run tethers, and ensured athlete safety in competitive setting
- Guided visually-impaired teenage athletes in USAT triathlon events

SKILLS

Programming Languages - C++, Java, C, Javascript, Vue, Python, HTML, CSS, Matlab, Julia, C#
Softwares - Adobe Photoshop, Adobe Illustrator, Unreal Engine, Unity, Xcode, VS Code, Visual Studio, LlamaSoft
Spanish - Illinois State Seal of Biliteracy in English and Spanish, Test Equivalent to Fourth-Term Proficiency