James Oosterhouse

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EDUCATION

UNIVERSITY OF MICHIGAN   Ann Arbor, MI
College of Engineering, Expected Graduation in May 2027
Major: Robotics | Minor: Coaching and Leadership | GPA: 3.5
Relevant Coursework: Intro to AI, Human-Robot Interaction, Data Structures, Engineering Statistics, Operations Modeling, Full-Stack Robotics, Marine Robotics, Human Motion & Sensors

EXPERIENCE
2023 - Present

Koops Automation Systems   Holland, MI
4-time Engineering Intern: Project, Controls, Applications, AI
- Identified, proposed, and developed a custom LLM system utilized by 40+ employees to save 2+ hours per user per week by automating quoting, contract reviews, and technical risk analysis
- Secured $2M+ in projects by producing bid packages, conceptual designs, and ROI analysis
- Initiated and organized "Bot in the Lot" STEM Expo, attracting 400+ students and 3 full-time hires
- Completed 2,000+ hours of *project engineering*, *controls programming*, *machine build*, and *applications engineering* across 4 internships, fostering full-cycle expertise from concept to install

2025 - Present

SYZYGY.services   Ann Arbor, MI
Founder & CEO
- Founded and scaled an AI consulting startup delivering agentic AI solutions to 5+ clients
- Designed and deployed AI-driven workflows driving 30–40% efficiency gains in client operations
- Advised client executives on enterprise data and actionable "AI-First" strategies
- Recruited, trained, and led a 3-person team enabling enhanced operations and capabilities

2024 - Present

Michigan Engineering Consulting Group   Ann Arbor, Ml
VP of Finance, AI Strategic Lead, Founding Member
- Redesigned club financial structure, resulting in 60% cash flow growth and enhanced sustainability
- Optimized club grant strategy, enabling over $5,000 of increased revenue in just 1 fiscal year
- Directed 4 consulting projects in market analysis, operations strategy, and AI implementation, leading 8 consultants to deliver results for clients ranging from startups to $100M ARR firms

2024 - Present

University of Michigan Robotics Department   Ann Arbor, Ml
MBot Lab Researcher, Instructional Aide, Ambassador
- Researched go-to-market framework supporting MBot's expansion into educational markets
- Mentored 65+ students in C++ and AI development skills across UM and 3 HBCUs
- Represent the Robotics Department in recruiting efforts, presenting to over 100 students

AWARDS
- *James Oosterhouse* Maroon & White Award
   o Holland Christian Athletics created this award in my honor to recognize an all-in commitment to HC Soccer, servant leadership, team-first mentality, and strong character
- FIRST Robotics Dean's List Winner (Michigan) Finalist (World Championship)
   o Awarded to 10 out of over 13,000 Michigan students displaying student leadership

PROJECTS
- *Robotic T-Shirt Cannon:* created a robot capable of launching projectiles 250+ feet
- *BB-8 Style "Ballbot":* engineered a robot to balance on a basketball while maintaining motion abilities
- More projects can be found at https://ooster.house

SKILLS & INTERESTS

Technical: C++, Python, Julia, Java, Assembly, PLCs, OpenAI API, Github, n8n, RAG, Excel
Creative: OnShape, Adobe Suite, Davinci Resolve, Trello, Jira, Slack, Microsoft/Google Suites
Hobbies: History (Michigan Sports, Star Wars, WWII, Religion, AI, more), Soccer, Food, Hiking