

John Sader

jmsader@umich.edu | (859) 447-7985 | US Citizen

Education

- **Junior at the University of Michigan Ann Arbor**

- Computer Science Major (College of Engineering) and Business Minor (Ross School of Business)
- 3.92 GPA
- SPARK Engineering Team
 - Developed and improving a functional display with a team in QT creator that is deployed on SPARK's award winning electric and zero emissions bike
- 7x Honors Designation
- Completed or taking all core CS courses as well as: Calculus 1-3, Physics 1-2, Discrete Mathematics, Financial Technology, Making Financial Decisions, Accounting, Machine Learning, Databases, and Quantum Computing; among others

Experience

- **University of Michigan Recreational Sports Soccer and Flag Football Official (2023 - present)**
 - Working on a team where punctuality, confidence, responsibility, taking criticism, and communication are crucial
- **Alltech Digital Experience & IT Intern (Summer 2024)**
 - Developed a multi page web application with NEXT.js for farm feed recipe calculation and management with database and authentication integration
- **High School STEM Tutor (2018-2022)**
 - Succeeded in helping upperclassmen improve in physics and math
- **Intern at the Kentucky State Treasury (Summer 2021)**
 - Highlighted Kentucky education districts in need of resources utilizing python and learned financial principals
- **Data Analyst at Lexington Women's Health (Summer 2020)**
 - Managed business data in excel to identify trends and action plans
- **Chess tutor (2020)**
 - Employed technology to teach children the foundations of chess and monitored their progress to tailor training for them

Personal Projects, Skills & Additional Info

- Proficient in Python, C++, Java, React, NEXT.js, Typescript, HTML, CSS, JavaScript, Microsoft Office, MATLAB, MongoDB, and SQL
- Personal projects in Python, C++, and Next.js include: a particle simulator, a quant based trading algorithm tester, and a road-trip weather application; among others
- Other interests include economics, finance / financial modeling, history, and anthropology