JONAH ALSFASSER

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Education

Michigan State University **Sep 2023 – Present**
Data Science, Finance, Computer Engineering *East Lansing, MI*

American University of Rome **May 2025 – Aug 2025**
International Business; Global Information Technology Systems *Rome, Italy*

Experience

Founder — Sprout, Trading & Portfolio Management Platform **May 2025 – Present**
- Built a full-stack trading & portfolio platform using FastAPI, PostgreSQL, Docker, React, and JWT authentication, integrating real-time market data and analytics to promote financial literacy among college students.
- Developed interactive dashboards and secure backend APIs that transform complex financial data into actionable insights for informed decision-making.

Personal Business — E-Commerce **Jan 2025 – Present**
- Managed sourcing, importing, and fulfillment with international suppliers; coordinated contracts and logistics to meet customer timelines.
- Scaled to six-figures in revenue in my first year of operations.

Instructor — Python Tutor **May 2024 – Aug 2024**
- Taught foundational Python (loops, functions) via hands-on projects; created approachable materials to build long-term coding confidence.

Intern — Data Systems Analyst At Weinstein Jewelers **Jun 2022 – Jun 2024**
- Built dashboards and reports to identify customer trends; supported targeted marketing and inventory decisions.

Projects

Financial Dashboard & Portfolio Tracker **Mar 2025**
- Built an interactive dashboard to track performance, volatility, and allocation; integrated real-time data and automated risk metrics.

Honors Computational Modeling — Risk/Return Analysis of Cryptocurrency **Jan 2025**
- Computed annualized returns, volatility, and Sharpe ratios; translated findings into actionable insights for long-horizon investing.

Leadership

Vice President — MSU Entrepreneurship Association **Sep 2025 – Present**
- Leading strategic initiatives to expand MSU's entrepreneurial ecosystem, supporting student founders through mentorship, venture workshops, and networking opportunities.

Personal Business — Web Development **Jan 2025 – Present**
- Delivered custom software for local businesses using Python, HTML, Rust, and JavaScript; gathered requirements, built MVPs, and iterated with clients.
- Maintained strong client relationships via clear communication, milestones, and results-focused delivery.
- Led and coordinated teams of 3–5 web developers in the successful execution of web projects.

Relevant Coursework & Skills

- Java
- C++
- Python
- HTML
- Automation
- Google Cloud
- Risk Assessment
- Data Visualization
- Physics I, II
- Discrete Math
- Calculus I, II, III
- Matrix Algebra
- IB
- Statistics
- Negotiation
- Supply Chain