LUCAS MARQUES SNELLER

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EDUCATION

Miami University   Oxford, OH
Bachelor of Science in Political Science and Philosophy   Expected May 2026
- Dual Major with an Economics Minor
- Awards: HASS Scholar, Prodesse Scholar

Winston Churchill High School   Potomac, MD
High School Diploma   Graduated June 2022
- AP Scholar with Honor
- Tri-Sport Athlete

RELEVANT EXPERIENCE

HASS Undergraduate Research Program   Oxford,OH
Undergraduate Researcher   2022-Present
- Utilize transferable skills and conduct extensive undergraduate research, conducted and presented research at symposium regarding DEI programs and availability in predominantly white institutions

Miami University   Oxford,OH
Research Assistant   2025-Present
- **LLM SOC Classification:** Built an LLM-driven SOC-2018 classifier using Retrieval Augmented Generation (RAG), hybrid dense+sparse retrieval, Prediction Powered Inference (PPI), and exemplar prompting; designed a calibrated decision layer and prediction-powered inference with audit tooling.
- **Asian American History Project (Digital Archiving & RAG Q&A):** Supported an initiative to document and digitize Asian and Asian American history in Ohio; ran OCR on scanned archives, built embeddings/vector indexes, and prototyped a multilingual RAG+LLM Q&A platform for researchers and community partners.
- **Economic Impact of Butler County Parks:** Collaborated with faculty and local partners on a parcel-level GIS and hedonic pricing model; linked park proximity to housing sale prices, property tax uplift, and a tract-level Park Access Index tied to health outcomes, civic indicators, and quantitative estimates of parks' contributions to community well-being.

Owens Corning Financial Case Study Competition   Oxford, OH
Winner   Spring 2023
- Awarded first place for study of international markets and provided the best new revenue sources
- Offered the group research of foreign markets and regional investment data regarding the most significant impact on new cash flows

RELEVANT QUALIFICATIONS

- **Analytical Skills -** Strong analytical and problem-solving abilities through identifying and analyzing complex data, identifying root causes of issues, and developing effective and innovative solutions to optimize processes and improve overall performance
- **Writing and Verbal Communication -** Effectively communicated complex information to audiences and peers through clear, concise, and persuasive written and verbal communication and successfully delivered impactful presentations, authored reports, and facilitated meetings, resulting in improved understanding and outcomes.
- **Technical Expertise -** Proficient in Microsoft Office Suite (Excel, Word, PowerPoint) and statistical analysis software (comfortable with Python, R, MATLAB, and STATA) with a strong aptitude for quickly learning and adapting to new technologies
- **Language:** Classroom study of Spanish and family exposure to Brazilian Portuguese
- **Interests:** Economics, Applied Mathematics, Dynamical Systems, AI/LLM development, Mathematical Modeling, Statistical Inference, and Decision Theory

LEADERSHIP ACTIVITIES

MiamiU Economics Club   Oxford, OH
Group Member
- Actively contributed to organization, fostering a collaborative and inclusive environment
- Participate in hands on experience in collaboritve projects through the University.

ADDITIONAL WORK

Canton Car Wash   Columbia, MD
Production Team Member   Summer 2024
- Production member detailing cars and facilitating customer transactions

Argyle Country Club   Olney, MD
Snack Bar Attendant   Summer 2023
- Conducted face-to-face customer service interactions and facilitated transactions