

Sydney Bahma

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EDUCATION

University of Massachusetts Amherst, School of Behavioral Sciences and Isenberg School of Management

Master of Science in Business Analytics 2025-2027

- *Relevant coursework:* Database Analytics

Bachelor of Science in Managerial Economics 2022-2026

- *Relevant Coursework:* Statistics, Accounting, Price Theory, Computing, Decision Analysis, Industrial Organization, Econometrics, Small Business Finance, Management, Intermediate Macro and Micro Economics, AI in Economics

EMPLOYMENT

City of Eagan

Team Lead/Site Coordinator

- Supervised daily operations and coordinated children and staff, ensuring program efficiency and safety.
- Created daily schedules for camp activities, staff changes, and breaks.
- Facilitated a collaborative work environment.
- Communicated with program managers about daily happenings and staff behavior.

The Loomis Communities

Server

- Provided exceptional dinner and lunch service in fine dining environment.
- Developed strong interpersonal skills through connecting with residents of many ages from the community.
- Acted as liaison between managers and other dining staff utilizing previous experience in leadership.
- Fine-tuned efficiency of multitasking, time management, and resiliency skills.

Caregiver

Jovie Edina

- Delivered attentive, reliable care for children aged 0-11, ensuring their safety and development.
- Adapted to a new work environment almost every day as many families needed coverage.
- Communicated effectively with parents to provide updates, resolve concerns, and build trust, which strengthened interpersonal and client relations skills.
- Developed problem solving, patience, and conflict resolution abilities.

PROJECT EXPERIENCE

Industrial Production and Changes in S&P 500: Examined how key macroeconomic indicators influence stock market performance. Used RStudio to conduct an econometric analysis using historical US data to analyze how the S&P 500 shifts when industrial production and the interest rate change.

Dynamic Business Plan: Created a comprehensive business plan for a student run coffee business targeting the UMass Amherst community. Detailed market analysis, operations, management structure, and financial projections for a sustainable coffee shop and on campus mobile truck. Projected first year revenues of \$240,000 and profitability above the break-even point.

The Economic Effects of Urbanization: Conducted research on how rapid urbanization during the last century has affected industrial growth, infrastructure, and policy. Analyzed case studies primarily in Asia, Africa, and major cities such as Jakarta and Copenhagen. Found that urban planning and technological innovation have been successful in mitigating negative effects of urbanization. Forecasted how urbanization will shape global economies and public health over the next 25 years.

LLM's: Experimented with different prompts in LLM's such as Gemini, ChatGPT, and CoralAI, for the purpose of resume building, coding, and inducing hallucinations. Created a published website with the help of AI that allows users to pick assorted color themes and encourages them to have a productive day. Learned how LLM's acquire data, configure responses, and are built using code.

SKILLS

Proficient in R, R Studio, MS Access, MS SAS, MS Excel, SQL (DBMS).

Excel at active listening, public speaking, time management, organizing efficiently, and resolving conflicts.