Elliot Barta

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2971 South 38th Street, 53215 | Milwaukee, Wisconsin

EDUCATION

University of Wisconsin-Madison   Madison, WI
Bachelor of Science in Economics, Data Science | GPA: 4.0/4.0   *Sep. 2022 – May 2026*
Awards: *Mercile J. Lee Scholar, Selig Scholar, Dean's List*

EXPERIENCE

Undergraduate Research Assistant   June 2023 – Present
University of Wisconsin-Madison   *Madison, WI*
- Used MATLAB to explore openMHA and its use in auditory analysis through scripts
- Analyzed firm data from the Federal Register in R and Python to determine trends of sanctioned entities
- Communicated research results to colleagues through symposiums
- Understood common academic practices and standards regarding research and documentation

Mathematics and Economics Tutor   September 2023 – Present
University of Wisconsin-Madison   *Madison, WI*
- Assisted students struggling with material by breaking down problems
- Navigated students to physical and online resources to continue their academic achievement
- Fostered a growth mindset and encouraged students who felt overwhelmed and stressed
- Developed one-on-one relationships with tutees

Sales Advisor   July 2022 – August 2022
Office Depot   *Milwaukee, WI*
- Applied customer-oriented strategies to solve on-the-floor issues
- Cooperated with co-workers to maintain in-store logistics
- Satisfied customers' print requests swiftly while using an online ticketing system

Web Development Internship   June 2021 – August 2021
Northwestern Mutual   *Milwaukee, WI*
- Used HTML, CSS, and JavaScript collaboratively to develop a web-based insurance game
- Analyzed user data of an in-company app through Microsoft Excel and Service Now
- Participated in Scrum and Agile practices, contributing to team conversations
- Learned appropriate business culture and etiquette

PROJECTS

Audapter Mobile | *MATLAB, Git, PowerPoint*   June 2023 – August 2023
- Used audio interfaces to record sound in Audacity
- Learned how to use MATLAB to analyze auditory input such as intensity and pitch
- Used git to tag script versions through GitHub and to maintain code
- Presented findings to a general audience through PowerPoint with other project members

Federal Register Analysis | *Python Pandas, Excel, R, ggplot*   September 2023 – Present
- Transferred data from the Federal Register to an organized Excel sheet
- Used R to filter data and to create categorical data visualizations
- Web-scrapped data off of the Federal Register website through Python
- Collaborated and communicated with team members across the United States

SKILLS

Class Content: Econometric Forecasting, Data Structures, Machine Learning
Technical: Microsoft Excel, Google Workspace, Scrum
Technologies: Python, SQL, JavaScript, HTML/CSS, R, MATLAB, Git
Hobbies: Chess, Running, Reading