**Matthew Domingo**

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**EDUCATION**

**University of Wisconsin-MadisonMadison, WI**

*Bachelor of Science in Computer Science, Minors in Economics, Mathematics, and Statistics* *May 2026*

**Coursework:** Algorithms, Combinatorics, Cryptography, Software Engineering, Econometrics, Applied Regression Analysis

**EXPERIENCE**

**Software Engineer Intern** | Pharus.ai **Chicago, IL**

*Generating business intelligence with Artificial Intelligence January 2025 - May 2025*

* Automated data structuring using Google Apps Script and Gemini API cutting model-prep time by 60%.
* Created, implemented, and tested BigQuery SQL schemas and ETL pipelines to automate various services’ data reporting,

ensuring accuracy and operational efficiency.

* Created a model context protocol (MCP) using JSON to produce a chatbot feature on our clients’ KPI dashboard.
* Deployed multiple front-end features such as logos and KPI charts using JSON and Google Cloud.

**SysOps Intern** | Magnet-Schultz of America Inc. **Chicago, IL**

*Maintained and expanded MSA’s 15 server network architecture, cybersecurity, and databases May 2024 - August 2024*

* Facilitated the successful integration of server systems across two physical locations, significantly expanding the company's

operational capacity by 50%.

* Researched and reported on advanced cybersecurity infrastructure (NIST alignment, red forest (ESAE), nested virtualization,

SIEM/SOC, optimal RAID configuration, DHCP subnetting, and PAM services), guiding IT architecture decisions.

* Enhanced workflow efficiency by assisting the transition from SAP to Epicor ERP systems, optimizing business processes.
* Analyzed patterns in Veeam software to develop effective disaster recovery solutions, improving data protection.
* Provided comprehensive support for a wide range of issues across 140 endpoints, ensuring reliable IT operations.

**PROJECTS**

**NewsTrader** | Personal Project**Madison, WI**

*Easy-to-use tool that fetches latest articles and applies simple buy/sell/hold heuristics* *April 2025 - Present*

* Used the NLP FinBERT sequence-classification model in a Flask API for real-time financial sentiment scoring of scraped text.
* Integrated SHAP explainability with a custom masker and model wrapper to compute and expose top token level contributions.
* Designed robust networking handling including retries and 15s timeout-ensuring resilient data fetch on MacOS/Linux.
* Built in C and Python, leveraging libcurl for HTTP/JSON integration with NewsAPI.

**SmartCycle** | Student Design Project**Madison, WI**

*Designed and created a blindspot detector for bicycles to prevent rear-end collisions* *January 2023 - May 2023*

* Identified that over 100,000 people are injured in rear-end car-to-bicycle collisions annually, highlighting a safety concern for

bicycle commuters in Madison.

* Managed budgeting and workflow for a team of five to maximize efficiency.
* Designed and manufactured 2 prototypes and 1 final product, testing along the way for durability and effectiveness.
* Presented at the Spring 2023 Design Practicum Exposition, receiving positive feedback from industry experts.

**LEADERSHIP**

**President** | Acacia Fraternity **Madison, WI**

*Planned, executed, and improvised strategic decisions that affected 140 members* *December 2023 - December 2024*

* Developed a rent pricing model to forecast optimal rates by analyzing student housing market trends, tenant fluctuations, target revenue, total debt, and revenue dependencies, achieving record-breaking revenue of $355,000 for the 2025/26 leasing year.
* Led an executive team of 6, establishing departments and defining roles, significantly improving organizational efficiency, member involvement, and transparency.
* Managed the annual operating budget of over $300,000, limiting operational expenses, ensuring financial rollover, and guaranteeing the national Board of Directors satisfaction.
* Ensured all standards and compliance regulations from the Wisconsin IFC, Acacia HQ, and the NIC were followed.

**OTHER SKILLS & INTERESTS**

**Languages:** C, Python, Java, SQL, R, JavaScript, Google Apps Script

**Platforms:** BigQuery, Google Cloud, AWS, Visio, Stata, Veeam, Git, Cursor

**Concepts:** NIST compliance, ETL, MCP, NLP, Budgeting Models, Product Design, System Design

**Certifications:** AWS Certified Cloud Practitioner, University of Michigan MMSS Summer Forensic Sciences

**Interests:** Poker, High Adventure Camping, Baseball, Basketball