Matthew Domingo

Chicago, IL | mgdomingo@wisc.edu | 773-815-7668 | linkedin.com/in/matthewgdomingo

EDUCATION

University of Wisconsin-Madison **Madison, 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