Michael Gurka

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OBJECTIVE

Detail-oriented computer science student graduating in 2026 looking for a full-time role in software engineering, with strong interests in full-stack development, machine learning, and data science.

EDUCATION

Bachelor of Science, Computer Sciences | Bachelor of Science, Industrial Engineering   **May 2026**
Certificate, Mathematics   **May 2026**
University of Wisconsin–Madison   *Madison, Wisconsin*

Selected Coursework: Data Structures and Algorithms | Machine Organization | Combinatorial Optimization | Linear Algebra | Linear Optimization | Data Management

SKILLS

Programming Languages Python | Java | C | JavaScript | Julia | HTML | R | SQL
Technologies Git | Bash | Docker | React.js | PyTorch | Pandas | Scikit-learn | Power BI | Tableau

EXPERIENCE

Netskope   **June 2025 - September 2025**
Platform Engineering Intern   *Santa Clara, CA*

- Employed machine learning principles in Python to train a model to accurately correlate alert messages based on text embeddings, using NLP models.
- Used virtualized Docker applications and contributed to an internal-facing alert monitoring system to optimize incident correlation, leading to operational insights regarding RCA.
- Analyzed historical alert data to extract patterns and guide modeling opportunities while collaborating cross-functionally to identify integration points.

Colony Brands, Inc.   **May 2024 - August 2024**
Supply Chain - Developer Intern   *Monroe, WI*

- Optimized data extraction processes by writing new queries to obtain data from the extensive company databases.
- Supported data-driven decision making by providing leaders with clear visualizations of supply chain and financial data.
- Communicated technical data extraction processes and statistic-heavy insights to non-technical audiences in the organization to expedite decision making.

PROJECTS

Resume ATS System

- Developed a machine learned-oriented engine to rank resume scores using NLP and transformers to categorize key technical terms.
- Built the backend of the ATS system in Python to develop RESTful APIs, handling PDF resume parsing and storing structured candidate data in a PostgreSQL database.
- Extracted resume information from PDFs using PyPDF2 and preprocessed raw data fields to run through the model pipeline.
- Created an interactive dashboard using JavaScript and React.js to display resume scores and potential suggestions for users.

University Campus Map Server

- Developed backend code in Java to compute distances and route data based on user input after scraping locational data to create a map of locations of the UW-Madison campus.
- Implemented an algorithmic solutions to find optimal paths between locations and other user-prompted input on a dynamic web server designed with HTML and CSS.