

# MARVEL ZHANG

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## EDUCATION

**University of Wisconsin - Madison**  
*Bachelor's, Information Science*

September 2021 - August 2025

**University of Wisconsin - Madison**  
*Bachelor's, Data Science*

September 2021 - August 2025

## PROFESSIONAL EXPERIENCE

**Whole Foods Market**  
*In-Store Shopper*

Madison, WI, USA

September 2025 - Present

- Analyzed real-time inventory data and shopping patterns to optimize fulfillment routes and workflows, improving efficiency
- Monitored key performance indicators including pick rates, accuracy scores, and customer satisfaction metrics, using data insights to continuously improve service delivery
- Leveraged historical customer data and preference patterns to make informed substitution decisions when products were unavailable, demonstrating analytical problem-solving skills
- Utilized mobile applications and digital systems to collect, process, and act on real-time data including inventory levels, order specifications, and customer feedback.

**Babcock Dairy Store**

Madison, WI

*Student Helper*

May 2023 - August 2025

- Manage daily operations including sales, inventory restocking, and store maintenance
- Process transactions and handle customer service responsibilities
- Maintain store presentation and cleanliness standards
- Execute order requests and inventory management tasks.

**Wahl Clipper Corporation**

Sterling, IL

*Data Analytics and Repair Intern*

June 2022 - August 2022

- Performed data analysis using Python and Microsoft Excel to identify product performance patterns from various websites
- Maintained a 93% accurate Python-based monitoring system to automate daily checks of authorized product color offerings across e-commerce platforms
- Developed statistical models to analyze market trends and product effectiveness
- Participated in team meetings to present data-driven marketing recommendations
- Gained hands-on experience in clipper repair and consumer product maintenance.

## PROJECTS & OUTSIDE EXPERIENCE

**Professional Portfolio Website Development**

July 2025 - July 2025

- Designed and developed a responsive, mobile-first portfolio website demonstrating full-stack web development capabilities
- Implemented interactive JavaScript elements with smooth animations and accessibility features following WCAG guidelines
- Utilized CSS Grid and Flexbox for responsive design across multiple device breakpoints
- Applied user experience (UX) principles to create intuitive navigation and information architecture
- Deployed using GitHub Pages with version control best practices
- [Link to project](#)

**PriceCompare**

April 2025 - April 2025

- Developed a responsive web application that allows users to compare product prices across multiple e-commerce platforms including Amazon and eBay
- Implemented a Python web scraper using BeautifulSoup to extract real-time product data
- Created an intuitive user interface with HTML, CSS, and JavaScript for seamless searching and browsing functionality
- Designed and integrated a Flask API to connect front-end requests with backend web scraping.

**Multi-Source Loan Data Analysis**

December 2024 - December 2024

- Developed an end-to-end data analysis pipeline integrating geographic data, financial (HDMA) records, and real-time loan applications using Google Cloud services. Performed geospatial analysis using BigQuery ML to identify loan distribution patterns across Wisconsin counties and
- built a linear regression model to analyze income-loan relationships. Created automated ETL processes to transform and merge data from multiple sources (Parquet files, Google Sheets, public datasets) into a unified analytical framework for financial insights.

## SKILLS

**Skills:** Python, Java, R, Bash, SQL, HTML/CSS, JavaScript, Docker, Spark SQL, Cassandra Query Language, Apache Kafka, NumPy, VS Code, Eclipse, IntelliJ IDEA, Tableau, Terminal, Excel/Numbers/Sheets, ArcGIS Online, Data Analysis, Customer Service, Inventory Management, Team Collaboration, Leadership, Program Organization, Data Storytelling, Geospatial Analysis, Automated ETL Processes, Web Scraping, API Development