ANDRES J. MELENDEZ

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Portfolio: dre2322.github.io/portfolio

PROFESSIONAL SUMMARY

Full-Stack Developer and Data Science professional with experience building Java-based web applications, integrating MySQL databases, and developing predictive analytics models. Proven Team Lead with hands-on full-stack development experience using Java, JSP, Servlets, Python, and SQL. Strong foundation in Agile collaboration, MVC architecture, accessibility, and secure software design.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML, CSS
Web & Backend: JSP, Servlets, MySQL, Apache Tomcat, MVC Architecture
Data Science: Pandas, NumPy, scikit-learn, Exploratory Data Analysis, Predictive Modeling
Tools: Git, GitHub, Eclipse, Visual Studio Code
Design & UX: Wireframing, Prototyping, Figma, Accessibility
Methods: Agile Development, Technical Documentation

EDUCATION

Bellevue University — Bellevue, NE
B.S. in Data Science and Software Development (90% Completed) | 2022 – 2025
Relevant coursework: Predictive Analytics, Database Systems, Full-Stack Web Development, Secure Software Design

Flatonia High School — Flatonia, TX
High School Diploma | June 2012

PROJECT EXPERIENCE

Moffat Bay Lodge Reservation System – Full-Stack Web Application

Team Lead & Full-Stack Developer
Technologies: Java, JSP, Servlets, MySQL, HTML, CSS, Git, Tomcat

- Led a 5-member Agile team through planning, development, and delivery

- Designed and developed frontend and backend components of a reservation management system

- Built server-side logic using Java Servlets and JSP

- Integrated MySQL databases for user, reservation, and availability management

- Implemented responsive, accessible UI with form validation and error handling

- Applied MVC architecture and secure coding practices

- Managed source control and collaboration using Git and GitHub

- Deployed and tested the application on Apache Tomcat

Predictive Modeling for Driving Behavior

Data Scientist | Python, Pandas, scikit-learn

- Performed exploratory data analysis and preprocessing on time-series sensor data

- Built and evaluated classification models for driving behavior prediction

- Tuned hyperparameters and assessed performance using confusion matrices and cross-validation

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PROFESSIONAL EXPERIENCE

H-E-B — San Marcos, TX

Order Selector | July 2025 – Present

- Selected and palletized products for store distribution with high accuracy

- Met productivity and safety benchmarks in a fast-paced warehouse environment

- Collaborated with team members to ensure on-time trailer releases

Target — San Marcos, TX

General Merchandiser & Inbound Expert | Nov 2022 – July 2025

- Trained new team members in inbound and merchandising processes

- Managed inventory accuracy, price changes, and seasonal transitions

- Executed planogram resets and operated warehouse equipment

Dollar General — Luling, TX

Store Manager | Mar 2020 – Mar 2024

- Led daily store operations including scheduling, inventory, and staffing

- Hired, trained, and supervised employees

- Improved store performance through merchandising and team leadership