Magdaleno Perez

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EDUCATION

SUNY Farmingdale State College — Farmingdale, NY
Bachelor of Science in Computer Science — *Aug. 2021 – Dec 2025*

Relevant Coursework:

Data Structures and Algorithms, Software Engineering, Computer Architecture, Object Oriented Programming

EXPERIENCE

Sales Associate — July 2021 – Present
PVH Corp, Tommy Hilfiger — *Deer Park, NY*
- Managed regular price comparisons and store promotions
- Provided customers with pricing and clothing sizes
- Followed merchandising standards to ensure products were stocked
- Stayed up to date with coworker's tasks and the company's sales goal
- Performed cleaning tasks for customer satisfaction and store organization
- Announced to customers about sign ups and additional coupons

PROJECTS

Piggy United | *Online banking simulation*
- Developed digital banking functionalities to manage deposits, withdrawals, virtual credit cards, and statements to educate newcomers the importance of banking.
- Designed the front-end with React with a Node.js backend for package management, and implemented Firebase authentication for secure user login and real-time database for storing and retrieving user transactions.
- Utilized HTML/CSS to develop a responsive and visually modern web design, while integrating crafted graphics and visual elements created using Canva.

Stock Synergy | *Inventory management system*
- Developed an inventory management system with real-time tracking to streamline stockroom operations, cutting restocking time by 15% and ensuring accurate inventory levels for faster sales operations.
- Leveraged React, Node.js and Tailwind CSS to construct an interactive, visually appealing, and fully responsive user interface, ensuring seamless user experience across various devices and screen sizes.
- Integrated Google OAuth to establish a robust and secure user authentication system and Firebase Firestore for data storage that manages 1000+ merchandise.

Movie Mine | *Movie sales management*
- Built a JavaFX application that enables users to efficiently input, edit, and manage movie details, dynamically displaying structured data within an organized table view.
- Consistently managed over 10,000+ movie records and maintained a comprehensive database using Microsoft Access, ensuring accurate and organized data storage for streamlined access and analysis.
- Implemented a robust JSON parsing mechanism to, read, and import movie data files, ensuring seamless data integration while maintaining data integrity and reducing manual file selection.

Shape Sensei | *Shape guessing game*
- Constructed a JavaFX application for an engaging shape-guessing game, dynamically generating random shapes for user interaction.
- Integrated a guess-tracking system to monitor both total attempts and correct guesses, providing real-time feedback to enhance user experience.
- Incorporated Microsoft Access database to systematically record and store user guesses, enabling comprehensive tracking and analysis of player history and performance.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, TypeScript, HTML/CSS
Frameworks/Libraries: React, Node.js, Express.js, Tailwind CSS
Developer Tools: Git, Firebase, VS Code, Microsoft Azure, IntelliJ, SceneBuilder, Netlify, PostgreSQL