

# Brandon Castellanos

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## Summary of Experience

Computer science graduate looking to transition from a warehouse role into a technical role. Experienced in building AI/ML applications and web applications with backend services. Possess a robust foundation in programming languages (C++, Python, and Java) and backend frameworks, such as Spring Boot.

## Education

Bachelor of Science in Computer Science,  
**Western Governors University**

Salt Lake City , UT — Feb 2026

## Projects

### Movie-to-Book Recommender | Python, Sentence-transformer, Scikit-learn

- Developed an AI/ML-powered recommendation system that used natural language processing to recommend a user number of books similar to a movie they've enjoyed.
- Used datasets pulled from Kaggle and a pre-trained sentence transformer model to generate text embeddings to find books similar to the movies the user inputs
- Source code: [brcaste/Movie-to-book-recommender: AI/ML powered movie to book recommender](#)

### TO-DO App | Flutter, Dart

- Developed a personal productivity app in Flutter to practice cross-platform mobile development and strengthen skills in UI design, state management, and data persistence.
- Integrated local storage for offline tasks (SharedPreferences) to allow users to save and retrieve tasks offline
- Utilized Firebase for web hosting and product management
- Demo here: [To-do App](#) - (Click link)

### Weather Health Risk Prediction | Python, XGBoost, RandomForest, Scikit-learn

- Built a machine learning model to predict health risk scores from weather data, leveraging XGBoost with stacking techniques using RandomForest Regression
- Engineered and preprocessed features from 1000 entries to optimize prediction performance.
- Evaluated model with  $R^2$  and RMSE, achieving scores of 0.909 and 0.203
- Source code here: <https://github.com/brcaste/Weather-Health-Risk-Prediction.git>

## Technical Skills

- **Programming languages:** C++, Python, Java, HTML/CSS, SQL
- **Frameworks & Libraries:** Spring Boot, Node.js
- **Tools & Scripting:** Shell, Bash, CLI (Command Line Interface), Git

## Experience

### Outbound Problem-Solver

Amazon STX5 – Houston, TX

Mar 2020 – Present

- Resolved hundreds of dwelling shipments weekly by thoroughly investigating issues and implementing corrective actions.
- Conducted detailed analysis of shipment records to identify and resolve root causes of process inefficiencies, resulting in a reduction in bottlenecks.
- Streamlined daily problem-solving packages within the outbound operation, contributing to a 20% increase in on-time packages per shift

### Car Sales Consultant

San Marcos Dodge Dealership

Mar 2017-2020

- Generated new business by cold-calling and qualifying an average of 20 potential customers per week, leading to a 35% increase in the sales pipeline.
- Developed and delivered engaging product demonstrations for up to 25 clients weekly and facilitated internal training sessions for 3 new team members.