Jaime Castaneda

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EDUCATION

DePaul University   **Chicago, Illinois**

Master of Science in Software Engineering   *Expected Graduation, June 2026*

- o **Concentration:** Artificial Intelligence
- o **GPA:** 4.00/4.00

DePaul University   **Chicago, Illinois**

Bachelor of Science in Computer Science, Minor in Data Science   *Expected Graduation, March 2025*

- o **Concentration:** Software Development
- o **GPA:** 3.33/4.00
- o **Related Coursework:** Data Structures & Algorithms, Computer Systems, Object-Oriented Software Development, Foundations of Artificial Intelligence, Distributed Systems, Software Projects, Database Systems, Software Testing, Concepts of Programming Languages, Automata Theory, Data Analysis, Data Analysis & Regression

TECHNICAL PROJECTS

Full-Stack Finance Tracking Web Application   **Chicago, Il**

Group Project for Software Projects   *October 2024-November 2024*

- Developed a web application using Python/Django and PostgreSQL that tracks the user's bank accounts, providing a secure login/logout feature and account management options for savings, checking, and credit card accounts.
- Implemented functionality for users to perform transactions (withdrawals, deposits, or purchases), creating, editing, and managing budgets, as well as scheduling and monitoring recurring transactions to aid in financial planning.
- Collaborated in a team of four, utilized GitHub for version control, Docker for consistent environment management.

Todo Full-Stack Web Application   **Chicago, Il**

Group Project for Software Projects   *September 2024-October 2024*

- Developed a task management web application using Python/Django and PostgreSQL, implementing user authentication, task creation and editing, status tracking, and team creation with a responsive Bootstrap interface.
- Integrated secure user authentication and custom user models, enabling profile management and error handling while ensuring data integrity through PostgreSQL database implementation.
- Collaborated in a team of four, utilized GitHub for version control, Docker for consistent environment management.

Stock Trading System   **Chicago, Il**

Independent Project for Object-Oriented Software Development   *April 2024-June 2024*

- Developed a comprehensive trading system simulation in Java while showcasing object-oriented design patterns including strategy, factory, flyweight, singleton, facade, data transfer object, and observer design patterns.
- Demonstrated proficiency in managing serialized data, applying real-time updates, ensuring system adaptability with dynamic market conditions, integrating a GUI, exception handling, and market tracking.

NBA Points Analysis   **Chicago, Il**

Independent Project for Data Analysis & Regression   *April 2024-June 2024*

- Used linear regression to develop a model to accurately predict the points per game for NBA players using SAS.
- Conducted data exploration, data analysis using residual plots and normality plots, testing and validation with splitting the data and comparing the training vs the testing, and predictions on randomly generated statistics.

Automated Movie Rating Bot   **Chicago, Il**

Group Project for Intro to Computer Science II   *January 2023–March 2023*

- Collaboratively designed and implemented an automation bot using UiPath, enabling the extraction of movie ratings from IMBd based on titles listed in an Excel file, enhancing data processing efficiency with 99.9% accuracy.
- Engaged with Protiviti professionals for guidance on project execution, demonstrating the ability to work in a professional team environment and apply practical automation solutions to real-world data management challenges.

SKILLS

Programming/Frameworks: Java/Spring Boot, Python/Django, C, JavaScript, HTML, CSS/Bootstrap, SQL, Scala, R, SAS
Tools: IntelliJ, Eclipse, PyCharm, IDLE, VSCode, Oracle SQLDeveloper, PostgreSQL, SAS 9.4, RStudio, Docker, Postman, Git, AWS