

Jasmin Reynoso

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Education

Virginia Commonwealth University, Richmond, VA

Expected Graduation: May 2023

Bachelor of Science in Computer Science with a Concentration in Data Science

Software Skills: Java, Python, C, SQL, MySQL, HTML, CSS

Software Tools: Eclipse, Android Studio, Dr Java, VS Code, GITHUB

Software Engineering Projects

TV Show Review Database, Database Theory, VCU

Spring 2022

- Created a **relational database** to allow for the review of tv shows between users on a website developed with **PHP** on an **Apache** web server
- Database creation process consisted of creating a schema, its **entity-relation diagram**, a **relational model**, **normalization of the tables**, and implementation using **MySQL**

*Ngram Language Model**, Natural Language Processing, VCU

February 2022

- Wrote a program in **Python** that **took in at least one text file along with user specifications and analyzed the text** to create a user-specified **n-gram model of the language** in the text files and **generated a number of sentences** specified by the user **using the generated language model**
- Used **regular expressions** to start and ends of sentences already in text for proper **analysis of data** and **randomization** to ensure generation of new sentences

*Eliza, a Rogerian Psychotherapist**, Natural Language Processing, VCU

January 2022

- Wrote a program in **Python** that **simulates a therapy session** between the user and a therapist named Eliza
- Used **regular expressions and patterning matching** to detect keywords in the user's input and to appropriately create a response based on keywords or user sentiment

*Racetrack Simulation**, Programming Languages, VCU

Fall 2021

- Wrote a program in **Java** where the user is able to **start** the race, which allows the cars to move across the track, **pause** the race, which stops the cars, or **reset**, which brings the cars back to a starting point.
- Used **multithreading to simulate a race of cars** and **JavaFX to create the graphical user interface** with the race track and the cars
- Used **threads** to ensure only **one car wins during concurrent execution** of cars on track

Players Connect, Software Engineering: Specification and Design

Spring 2020

- In a four-person team, **designed an Android application** in Java on **Android studio** based around sports teams being able to **communicate** and **share events** with each other.
- Worked under **Agile development process** over the course of **fifteen weeks with three sprints**
- Used Google Firebase for database management.
- **Led storyboard creations** which involved detailed planning over the **graphical user interface**

*Source code available under *github*

Student Organizations

- Student Member, ACM, Richmond, VA

Aug 2020 – Present

- Student Member, Society of Hispanic Professional Engineers at VCU

Sept 2021 – Present