Benzon Carlitos Salazar

https://carrliitos.github.io/ | https://linkedin.com/in/benzoncarlitossalazar/ | https://github.com/carrliitos

Education

University of Wisconsin - Whitewater, College of Letters and Sciences — **Whitewater, WI**

- Master of Science in Computer Science — *December 2024*
- Bachelor of Science in Computer Science — *December 2020*

Skills

- **Programming Languages:** JVM (Java, Spring/Spring Boot), R, SQL (Oracle and MSSQL), Python
- **Miscellaneous Technologies:** Linux, Git, Pentaho Data Integration, Tableau, Microsoft Office
- **Awards/Certifications:** Epic Clinical Data Model, Epic Cogito, Epic Clarity Data Model, Epic Caboodle Data Model

Experience

Advocate Aurora Health Research Institute — **Milwaukee, WI**

Research Programmer Analyst Associate — *Jan. 2021 - Present*

- Designs, develops, and maintains the applications and processes that comprise the data infrastructure essential to conducting collaborative clinical and outcomes research.
- Develops, tests, and debugs SQL, R, Python, and/or Java code to deliver reproducible and scalable analysis-ready data sets.
- Implements complex features and documents self-contained applications written in Java or R that are used within research data infrastructure, to support the Biorepository and Specimen Resource Center (BSRC), and on research applications.
- Ensures datasets are accessible and provided to research investigators and stakeholders in a manner consistent with Health Insurance Portability and Accountability Act (HIPAA), Institutional Review Board (IRB), legal agreements, and other appropriate standards.

University of Wisconsin - Whitewater — **Whitewater, WI**

Undergraduate AI Researcher — *Sept. 2019 - Dec. 2020*

- Collaborated with a team of undergraduate students to collect and gather relevant data from online peer-reviewed medical journals to represent the decision-making processes created by physicians and doctors.
- Developed a graphical representation of each decision-making process through the help of machine learning tools used for inverse reinforcement learning (IRL).
- Developed a Natural Language Processing model to automate information extraction from online medical case reports.

Personal Projects

- **Information Extraction [GitHub]**: An Information Extraction (IE) tool and model to automate data/attribute extraction from online medical journals and electronic health records. Written in ***Python and Java***.
- **Console Chess [GitHub]:** A console-based chess game. Written in ***Java.***
- **Monoalphabetic Cipher Decryption [GitHub]:** A program that performs cryptanalytic Ciphertext-Only Attack (COA) on the provided text document, using letter frequency analysis. Written in ***Java.***
- **Secure Authentication [GitHub]:** A secure authentication project that implements RSA and EAS cryptosystems. Written in ***Java.***
- **AirBNB Clone [GitHub]:** A test-driven development terminal-based AirBNB clone. Written in ***Python.***
- **Whitewater Information Network for Students (WINS) [GitHub]:** A UW-Whitewater's WINS system clone built as a shopping cart system for UW-Whitewater students to select their classes. Written in ***Javascript, HTML, and CSS.***
- **Carrliitos [GitHub] [Link to Website]:** My personal multi-page website. Written in ***Javascript, HTML, and CSS.***
- **Twitter Clone [GitHub]:** A basic twitter clone that is built to demonstrate the full-stack development (client, server, database). Written in ***Javascript, HTML, and CSS.***
- **Flappy Bird Clone [GitHub]:** A basic Flappy Bird clone that is built to demonstrate full-stack development. Written in ***Javascript, HTML, and CSS.***
- **Smart Parking Assistant [GitHub]:** A collision avoidance system built with Arduino that can be placed in a garage to help people park their cars without hitting their garage walls. Written in ***C++,*** built with ***Arduino.***