

Jarold Sabillon

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Education

Florida Atlantic University
3.89/4.00

Bachelor of Science in Computer Science
Aug 2023

Projects

Intro to AI

June 2022

- Flower classification using ML techniques with Python on Fishers Iris data set.
- Used and compared Gaussian Naive Bayes, support vector, and decision tree classifiers.

IMDb API Webapp

May 2022

- Search movies, retrieve actors and ratings, and store the movie into a watchlist.
- Backend: used MongoDB for storing movies in a watchlist to be retrieved later. Used NodeJS and Express to handle server and routing and API calls.
- Frontend: designed interface with ReactJS and Bootstrap. Axios sends requests and retrieves movie data for react keys to update and display movies titles, actors, and ratings.

Microcontroller – used sensors to update variables in program

April 2022

- LED lights up when light, temperature, and touch sensors meet certain conditions.
- Implemented buttons and switches to store and update a timer on a LED display.
- Added sensors to activate a DC motor to spin until a condition is met.

Relevant Coursework

Operating Systems

June 2022

- Creating multiple process and communication between them to speed up calculations.
- Multithreading with synchronization to prevent deadlocks and waiting.

Data Structures and Algorithms

April 2022

- Implemented data structures such as stacks, queues, linked lists, and trees in Java and C++.
- Used data structures to form search algorithms in Java and C++;

Database Structures

June 2022

- Developed DBMS models, indexing techniques, and how to optimize queries.
- Programmed in SQL to create a database, fill with records, and returned records.

Code Path Cybersecurity Course

April 2022

- Learned programming mistakes that leaves sites vulnerable to hacking.
- Offensive techniques: XSS, SQL injection, insecure direct object refs.

Skills

- Programming Languages: Java, JavaScript, C/C++, Python, SQL.
- 3D modeling in Solid Works, and 2D modeling in AutoCAD.
- Microsoft Office: Word, Excel, PowerPoint.