

John Leonard P. Cruz

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EDUCATION

University of Houston – Houston, Texas

May 2022

Bachelor of Science in Computer Science with Mathematics Minor

Overall GPA: 3.646

Dean's List: Spring 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2021

Relevant Courses: Fundamentals of Operating System, Algorithms and Data Structures, Fundamentals of Software Engineering, Database Systems, Software Design

EXPERIENCE

Cougar CS - Tutor

January 2021 – December 2021

- Held weekly online tutoring hours to assist students in understanding programming concepts by walking through their thought process and solution.
- Prepared helpful resource links for each programming concept that students may have issues with.

PROJECT EXPERIENCE

Yu-Gi-Oh Deck | Python Flask, JavaScript, HTML/CSS, SQLAlchemy

February 2022

- Integrated a full-stack application using MVC design patterns where guests could list and view their objective cards by extracting information from Yu-Gi-Oh API.
- Features encrypted passwords stored in local database by generating hash passwords using Werkzeug library.

Restaurant Management System | Flask, MySQL, HTML/CSS

November 2021

- Developed a full-stack web-application in a team of 3 to allow users view dates and seating layouts available for reservation using Python Flask and MySQL.
- Authenticated signed-up users by getting valid form credentials and automated email upon successful reservation.
- Led team in structuring and designing responsive application for all devices by utilizing HTML and pure CSS.

JPMorgan Chase & Co. Code for Good | Tableau Software, ReactJS

October 2021

- Developed an interactive web application utilizing Tableau API and ReactJS to display statistical analysis for Humane Society of North Texas.
- Transformed excel spreadsheet into categories with Tableau Software to sort, organize, and display data as embedded maps and graphs for data visualization.

Forbes Billionaire Data Retriever | C++

June 2021

- Pulled Forbes Billionaires of 2021 dataset from Kaggle and store each entry's information as nodes to linked list.
- Created a user-prompt program to manipulate nodes by implementing insertion, deletion, search, sort, and print of a linked list.

SKILLS

Programming Languages: Python, C++, C#, JavaScript, HTML/CSS, SQL

Framework and Libraries: Flask, Jinja Template, Bootstrap, NumPy, Matplotlib

Developer Tools: Linux, Git, GitHub, Visual Studio Code, Visual Studio 2019, PyCharm, Tableau Software

CLUBS AND ORGANIZATION

Cougar CS | Web Developer

September 2021 – November 2021

- Collaborated in designing an admin portal for Cougar CS to create and manage user's dashboard panel.