

# John Leonard P. Cruz

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## EDUCATION

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### University of Houston – Houston, Texas

May 2022

Bachelor of Science in Computer Science with Mathematics Minor

Overall GPA: 3.662

**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

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### 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

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### Anime Tracker | MongoDB Atlas, Express.js, Node.js, React, Postman

July 2022

- Integrated service side using NodeJS and MongoDB Atlas to React in fetching REST API endpoints to retrieve, create, and delete anime lists.
- Developed an interface connecting to Jikan Anime API endpoint to query anime results.

### 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 | Python 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.

## SKILLS

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

**Framework and Libraries:** Python Flask, React, Node.js, Express.js, Bootstrap, NumPy

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

## CLUBS AND ORGANIZATION

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### 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.