JOAO **DECASTRO**

Computer Science student

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"Give me a problem to solve."

Profile

• Currently a Computer Science student, a musician, a carpenter, a father, and a husband.

• It has been challenging, overwhelming, and rewarding.

• Ready to face new challenges, new problems, and new experiences every day.

Personal Skills: Creative, Enthusiastic Problem Solver, Active Learner

Education

Western Connecticut State University   *Danbury, CT*

BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE   *Anticipated date of graduation May 2022*

- Member at ERIC "entrepreneurship, research, innovation, creativity"
- Research assistant at "Graphics and Interactive Technique Group"

Computer Experience

Programming Languages   *Danbury, CT*

ALWAYS IN PROGRESS   *2021*

- Proficient in C, C++, SQL, HTML, CSS, Bootstrap, C# ASP.NET MVC, Java, and Object Oriented Programming
- Familiar with R, Python, JavaScript, GitHub, Software Life Cycle, and Design Patterns

General Experience in Programming

ASP.NET

FISH OF NEW FAIRFIELD - FRIENDS IN SERVICE HERE   *Present*

- FISH is a non-profit organization that recruits volunteers to provide transportation to seniors to medical appointments.
- As a volunteer, I am in the process of completing the FISH website and a user-friendly reservation system for seniors to request transportation services.
- As a real customer I went through the design process to define the problem statement and to start working on the design.
- Presently working on the project using ASP.NET MVC, Entity Framework, Web API, BootStrap
- More about this project on my portfolio

Web Development

FREELANCE   *Present*

- Built my portfolio from scratch using pure HTML, CSS as a method for learning web development/design
- Developed an artist service/portfolio website with request service form and email notification

College Research   *Danbury, CT*

RESEARCH ASSITANT   *Summer 2020 & Summer 2021*

- The project for the summer of 2020 was to design and develop a puzzle toy for children to learn programming logic. FreeCAD and Python scripts were utilized to design and draw the models and case for Arduino pieces. The pieces consisted of a "loop track" a "conditional track", some curved and straight tracks. The project was mentored by Dr. William Joel.
- Summer 2021 I was hired as a research assistant. The project was to develop an algorithm animation library, which students and instructors would be able to use in their code as a learning method.
- More about these projects on my portfolio website

SQL   *Home*

DATABASE PROJECT   *Jun. 2019 - Present*

- A relational-database project simulating a dumpster company
- Emphasis on real day-to-day challenges and companies' necessity
- Developed from scratch the database design, business logic to implementation of tables and relations
- More about it on my portfolio website