

Manuel Perez

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Software Engineering Applications

Online Library System

JSP | HTML | Java | JDBC | MySQL | Bootstrap

- Implemented the ability to allow staff members to modify the library inventory, create event announcements, assess fines, and view reports.
- Integrated the checkout system for users to be able to reserve available library materials.
- Designed the front-end and back-end in order to provide an intuitive UI/UX and an efficient system to retrieve data.
- Engineered the library system to manage the inventory inside of a MySQL database to allow users to search for their desired books.

Photo Portfolio

HTML | CSS | JS

- Developed a fully responsive website for all my photography and videos.
- Embedded horizontal and vertical youtube videos in the right proportions in my projects.
- Created an intuitive user experience.

Command Line Interpreter

C

- Replicated the interpreter for the UNIX system to act like the shell.
- Added commands, executables, and file paths such as environ, cd, echo, ls, sleep, and many others.
- Utilized forking when a command is an executable to allow for the execution of the command to be inside the child of a fork.

Work Experience

Harbor House Restaurant — *Team Member*

June 2020 - August 2020

- Ensured proper sanitization of the entire restaurant to meet state COVID-19 safety and sanitation requirements.
- Performed minor repairs and maintained appliances.

San Diego Pier Cafe — *Prep Cook & Kitchen Staff*

June 2017 - August 2017

- Prepared food of menu items in an efficient, clean, and organized work station in order to provide delicious meals.
- Cleaned dishes to ensure availability of kitchenware for both staff and customers.
- Communicated in multiple languages amongst staff members to ensure a clean work flow in the kitchen.

Education

San Diego State University —
B.S. Computer Science

Dec. 2020

Relevant Courses

- Data Structures & Algorithms
- Software Engineering
- Operating Systems

Skills

Libraries/Frameworks:

Java Collections, ExpressJS

Databases:

MySQL

Cloud:

Netlify, Github Pages

Other:

Git, Node.js, npm, Unix, OOP, Agile, Scrum, Waterfall, Unity, JSP

Languages

HTML

CSS

Javascript

SQL

Java

C

C#

Python

Shell

Spanish (Fluent)