# 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 in Java to manage the inventory of library books 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)