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CEDRIC RIVERA

PROJECTS

Electronic Medical Record System
- Developed an easy to use application, with agile methodologies, for patients to track their medical health and doctors to access patient information
- Developed the backend and database to enter new data and display said data within the UI
- Hosted the SQL database using XAMPP and inputting existing SQL queries on PHPmyadmin
- Languages Used: PHP, HTML, MySQL, CSS, JavaScript

Junkyard Database
- Managed and maintained an SQL database to organize and track inventory of salvaged vehicle parts in a junkyard
- Created a very simple frontend that supported and displayed the database
- Optimized database performance by fine-tuning SQL queries, indexing tables, and managing database resources for faster retrieval of information
- Languages Used: MySQL , HTML, CSS, JavaScript, PHP

Agenda Assassin
- Designed and developed a user-friendly calendar application from scratch, tailored to meet the needs of elementary and middle school students and teachers.
- Implemented various tools and features such as a notepad, fully functioning calculator, UI customization, etc
- Implemented basic account management and admin privileges for teachers
- Languages Used: Java, Swing, XML, JavaScript

Portfolio Website
- Launched a simple website that's a constant work in progress displaying all my favorite current completed major projects as well as education, fun facts, resume, etc
- Website can be found at cjrtech.github.io
- Languages Used: HTML, CSS, JavaScript

EDUCATION

Rochester Hills, MI   **Oakland University**   **Fall 2018 – Dec 2023**
- B.S.E. in Information Technology, Dec 2023. GPA: 3.1
- Undergraduate Coursework: Interactive Web Systems, Computer Systems, Math for IT, Data Structures and Algorithms, Script Programming, System Admin, Human Comp. Interaction, Database Design & Implementation, Advanced Sys Admin, Web and Mobile Systems, Senior Capstone, Undergrad Research

WORK EXPERIENCE

Lifeguard and Part Time Manager   **Forest Hills Swim Club**   **May 2018 – Sep 2020**
- Worked as a lifeguard and manager when needed. Managerial role watched over lifeguards during the day and dealt with any problems that guests had at the swim club
- Training and testing needed to become a lifeguard
- As a lifeguard had to watch over hundreds of people at a time and was expected to follow protocol if someone's life was in danger at any point

ADDITIONAL EXPERIENCE AND AWARDS
- Honors: Summer 2020, Fall 2020, Winter 2021, Summer 2021, Winter 2022, Winter 2023, Summer 2023

Languages and Technologies
- Python, Java, HTML, CSS, PHP, JavaScript, MySQL
- Agile/Scrum; Visual Studio; XAMPP; Microsoft Office; BASH; Linux; GCP; Wireshark, VBA, FORM, IntelliJ