

Hoang Vo



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Montreal

EDUCATION

BACHELOR OF COMPUTER SCIENCE

Concordia University, Montreal QC
September 2017 – December 2022

SKILLS

PHP, MySQL, HTML, CSS, JavaScript, JSON, AJAX, Java, MAMP, Eclipse, SmartSVN, Redmine, Arduino, MS Office: Proficient
MS Visual Studio, C#: Familiar

EXPERIENCE

FULL-STACK WEB DEVELOPER

Concordia University's Centre for the Study of Learning and Performance (CSLP), Montreal QC
March 2023 – Present

- Working on both front-end and back-end in developing a web application named LTK+ for educational purposes using MAMP, Eclipse, PHP, MySQL, HTML, CSS, and JavaScript.
- Fixing bugs on the LTK+ software whenever they arise.
- Working on JSON file to store documents uploaded to the LTK+ Resources website.
- Creating bug/feature tickets using Redmine.
- Managing versions of source codes using SmartSVN.

PROJECTS

PUBLIC RENTAL SMART WHEELCHAIR – EMBEDDED SYSTEMS PROJECT

- This project aimed to improve users' experiences by developing intelligent features (safety sensors, horn buttons, controllers) in conventional wheelchairs.
- Wired the hardware components of microcontrollers, sensors, and actuators into a breadboard.
- Coded the functions of the features corresponding to each hardware component in Arduino.
- Manipulated users' credentials using Ubidots (cloud platform).
- Coded the functions specializing in connecting wheelchairs and mobile applications via Bluetooth.

TRUCK RENTAL MANAGEMENT SYSTEM – DATABASE PROJECT

- The objective of this project was to effectively organize and manage the data of rental truck information, reservations, payments, and clients' invoices.
- Generated conceptual and logical diagrams to establish relationships between entities of the rental truck system.
- Created SQL script for tables and constraints, insertion of data, and queries.

VOICE FEEDBACK DEVELOPMENT PROJECT

- The purpose of this project was to design and implement Voice Feedback feature for a fitness application.
- Created Software Requirement Specification document to ensure that the product met the customer's needs.
- Used Java to code functions for the Voice Feedback feature in Eclipse IDE.
- Collaborated with the Data Analytics team to collect workout data (heartbeat rate, calories, distance travelled, etc.) for informing the user by voice.
- Used SonarQube to inspect the code quality of the project.

KEY ABILITIES

- Use Eclipse IDE for PHP programming to develop dynamic and interactive web pages and applications.
- Write SQL script for the creation of tables, insertion of data, and queries.
- Design and assemble hardware components related to embedded systems using Arduino.
- Good attention to detail with good analytical skills; work independently and collaborative with teammates; strong in multitasking and problem-solving.