Marc Vidal

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Technical Skills

Languages: Java, Python, JavaScript, HTML/CSS, C++ Arduino
Frameworks: React, Node.js, Express.js
Developer Tools: Git, VS Code, PyCharm, IntelliJ, Eclipse, Figma, Jira
Libraries: pandas, NumPy, Matplotlib

Projects

Outfit Forecast | *HTML, CSS, Javascript*   May 2024
- Dynamic web app that suggests appropriate outfits based on weather
- Integrated REST API's by retriving current weather data from OpenWeatherMap API and image data from Unsplash API
- Utilized modern JavaScript features such as async/await for handling promises and fetch API for making HTTP requests, enhancing the efficiency and readability of the code.
- Implemented a user-friendly interface with a dark mode toggle, scroll to top button, and responsive design to ensure compatibility across various device sizes, enhancing user experience and accessibility.

Simple ECommerce Store | *Java*   March 2024 - April 2024
- Implemented OOP principles in a Java-based Electronic Store app with classes like Product, Desktop, Laptop, and Fridge for robust data modeling and abstraction.
- Utilized model-view-controller architecture to separate concerns, with the Model managing data, the View handling UI, and the Controller facilitating user interactions, ensuring scalability and maintainability.
- Developed core features including cart management, inventory tracking, and sales completion, showcasing proficiency in software design and agile development methodologies.

Physical Dice | *Arduino*   March 2023 - June 2023
- Programmed an interactive electronic dice using Arduino, incorporating sensor inputs, LED outputs, and a buzzer for sound effects.
- Engineered and assembled a 3D-printed shell for the dice using TinkerCad
- Integrated hardware and software components to create a functional prototype, showcasing proficiency in embedded systems and real-time programming.

Experience

Lifeguard   June 2022 - July 2023
Town of Whitchurch Stouffville   *Stouffville, ON*
- Managed a safe and secure pool environment by enforcing pool policies, rules, and procedures
- Provide excellent customer service to 50+ pool patrons as the head lifeguard of a team of 4
- Opened the pool at beginning of shift, assessing first aid supplies and enforcing safety precautions
- Certifications in Standard First Aid, National Lifeguard, Bronze Cross

Swim Instructor   January 2021 - July 2023
Town of Whitchurch Stouffville   *Stouffville, ON*
- Planned and prepared swim lessons and activities based on students' needs and the guided curriculum for 200+ swimmers ranging in ages from 1-17
- Taught two very successful high level (Bronze Medallion) and Emergency First Aid classes to 30+ students with a 100% pass rate
- Conducted both practical hands-on and in classroom training sessions to simulate real life rescue scenarios, equipping students with the skills and confidence to respond to emergencies effectively

Education

Carleton University   Ottawa, ON
Bachelor of Computer Science in Computer Science   *Sep. 2023 - Apr. 2027*
CGPA: 11.4/12.0 (A)