JOSEPH WENG

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EDUCATION

Ontario College Diploma

Web Development & Internet Applications   Sept 2022 – Dec. 2024

Algonquin College, Ottawa, Ontario

- Programming Language: C#, C/C++, Java, Python, SQL
- Web programming language: HTML (Hyper Text Markup Language), CSS (Cascading Style Sheets), PHP/Laravel, JavaScript/React JS/Next JS, ASP .NET
- DevOps: Docker, Jenkins, Linux, Raspberry Pi,
- Web design language: HTML5, CSS/Bootstrap
- Database: SQL, Database roles and permissions, Database backup and restore

Bachelor of Arts

University Of Waterloo   2012 - 2018

- Basic knowledge in C#, Python with hands on experience creating console application.
- Algorithms and Data Structures in C++.
- Probability and statistic model to predict and model trend in price.
- Econometrics Specialization Major and Mathematics Minor

PORTFOLIO PROJECT

- Music Player – Next JS, Tailwind CSS
    - Created a music player website using Next JS, Tailwind CSS, and Supabase (Supabase | The Open Source Firebase Alternative)
    - Design the required tables and relationships for the web project. Think about the database's structure to ensure the data flow from the frontend to the backend is efficient and consistent.
    - Using GitHub Authentication Provider and email Authentication to let user register and login to the website and store the user information in the User table on Supabase.
    - Using React components to design the database relationship logic: An artist has one or more albums, an album has one or more songs, and user can add one or more songs to a playlist.
    - Using PostgreSQL to select artists, albums, and songs from the database.
        - Select albums based on artist ID,
        - Select songs based on album ID,
        - Select songs based on user ID.
    - Using the concept of dynamic routes to display album contents based on album ID
    - Passing props to child component in React.
    - Using Tailwind CSS classname to style the react components to match large screen, median screen, and small screen
- Music Player – HTML, CSS, vanilla JavaScript
    - Created a music player website using HTML, CSS, and vanilla JavaScript
    - Use CSS animation and transition to enhance user experience on the website
    - Style each HTML element using responsive design for large screen (Laptop) and for

small screen (Mobile)
- o Using <video> in HTML to add a video on the webpage and knows how to style it

EXPERIENCE

IT Associate   Sept 2023 – Oct 2023

Growing Globe Immigration Inc.

- Update the website using React, and React UseState, UseEffect hooks.
- Analyze the web pages and making plans for the changes to update the website for useability and responsive for both small mobile screen and large desktop screen
- Writing Json object to store blogs as an array and use the map function on arrays to display each blog in a card grid layout.
- Use the map function with filter function to display all the blogs excluding the blog shown on the page for user to navigate between different blogs from the blog details page
- Making a website both responsive in mobile (target iPhone) and desktop.
  - o Using CSS and Bootstrap to style React components to fit in small screen and large screen

Full Stack Web Developer   Feb 2014 - May 2014

CANADIAN TEACHERS' FEDERATION, IT department, Ottawa, Ontario

• Used HTML dropdown list, check box, radio button to create a form with data coming from Microsoft SQL Server.

• Managed the project with small tasks and used weekly progress to track the project and daily work.

• Demoed to the project manager how the project is working and showed weekly progress on developing the project.

CO-CURRICULAR RECORD

AC Day Volunteer Spring 2023

Woodroffe, Volunteer Centre   2022/23 Academic year

- Effectively give instructions to others and help others find places.
- Lead a group of people to achieve a common goal.
- Work independently and up to date with task
- Deliver clear information to people.
- Solve problems with other people.
- Work in a confident mindset.

ACHIEVEMENTS

Accountability, Adaptability and Flexibility, Appreciating Diversity, Collaboration, Critical Thinking and ProblemSolving, Effective Communication, Enhanced Self-Confidence, Independence, Intellectual Growth, Leadership Development, Meaningful Interpersonal Relationships, Organizing and Planning Initiatives, Satisfying and Productive Lifestyle, Social Responsibility, Spiritual Awareness, Sustainability and Global