Katrina Jamir (B.Sc.)

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KJ

SUMMARY

A Computer Science graduate with a passion for continuous learning pursuing a position in software development or web development. Positive, conscientious team player, with excellent multi-tasking skills and a strong ability to adapt and learn in differing environments. Offering knowledge in computer science concepts, and the ability to work in various programming languages.

SKILLS

JavaScript, HTML, CSS, PHP, Java, MongoDB, SQL, Node.js, React.js

NOTABLE PROJECTS

Book Review Web Application-   **April 2022 - Present**

A web application where users can upload reviews on books they have previously read, with the intention of aiding other users in finding their next book to read.
- Implementing backend using Node.js with Express.js framework.
- Using MongoDB and Mongoose for data storage and manipulation.
- Utilizing HTML with pug.js and CSS with Bulma framework to design the frontend.

Items for Sale Listing Web Application -   **April 2021**
British Columbia Institute of Technology – Received a grade of 100%.

Programmed a simple listing system where users have the capability to search and pin items for sale, contact the seller through email, and logged in users have the additional feature to post items for sale.
- Programmed application backend logic with PHP. Applied sessions for login, and cookies for keeping track of the most recently viewed items.
- Used MySQL database to store various user information.
- Optimized database by applying relational database concepts.
- Developed on MAMP local server.

Book Search Web Application -   **February 2021**
British Columbia Institute of Technology – Received a grade of 100%.

Programmed a simple book search application where each search result contains the book's title, cover, description, and category.
- Developed with React library, applying react class components to create state, lifecycle methods, and event handling.
- Utilized Axios to retrieve search results from Google's Books API.

Pokemon Hangman Web Application -   **December 2020**
British Columbia Institute of Technology – Received a grade of 100%.

Designed and programmed an interactive web-based Pokémon themed Hangman game.
- Programmed game logic using JavaScript
- Integrated jQuery library to assist in event handling, DOM manipulation, and animation of the game.
- Created and styled user interface using HTML and CSS pre-processor SASS.
- Customized game images using Procreate to aid in the progression of the hangman graphic.
- Created a local JSON file containing words and hints that are randomly fetched for each round of the game.
- Developed on MAMP local server.

Mind Palace UI/UX Design -   **January 2019 – April 2019**
University of British Columbia – Received a grade of 80%.

Design of a virtual memorization technique (Mind Palace) with the goal to assist individuals in recalling information through their short term memory and long term memory using the method of loci.

- Collaborated with three team members to develop an effective method of data collection consisting of creating, conducting, analyzing, and documenting a field study and experimental report.
- Assisted in the creation of a high-fidelity prototype utilizing Origami Studio and Firestore.

HSBC Chatbot -   **January 2018 – April 2018**
University of British Columbia – Received a grade of 97%.

A proof of concept chatbot for HSBC's Wealth Compass investment website feature. Compatible with Google Assistant and Facebook Messenger

- Collaborated with three team members to design and implement a Node.js chatbot application
- Assisted in the 'training' of DialogFlow, ensuring that the application responded appropriately to any queries it received from both Facebook Messenger and Google Assistant.
- Incorporated DialogFlow and Google Assistant into the application.
- Applied relational database concepts to construct an orderly MongoDB database and mongoose schema.
- Aided in the creation of the staff portal through connecting the MongoDB database, allowing the admin the ability to view, add, delete, and edit data sent from the chatbot application.
- Collaborated to create configuration, installation, user manual, web application specification, and deployment documents.
- Contributed to demoing the project in front of an HSBC representative.

EDUCATION

Computing Part-Time Studies -   **September 2020-April 2021**
British Columbia Institute of Technology

> *Courses*: Web Development with JavaScript, React and Modern JavaScript, Introduction to Web Applications with PHP

Bachelor of Science (B.Sc.) – Computer Science   **September 2013-May 2019**
University of British Columbia

> *Key Courses*: Software Engineering, Data Structures and Algorithms, Intermediate Algorithm and Design, Artificial Intelligence, Advanced Relational Databases, Web Applications, Computer Hardware and Operating Systems, Computer Networking, Human Computer Interaction Methods

WORK EXPERIENCE

Keyholder and Sales Associate -   **May 2019-Present**

Bosley's by Pet Valu

Assisting in running store operations and delivering friendly customer service catering to each customer's needs.

- Handle inventory counts and orders, finalize and submit received orders, phone inquiries, POS, and training of new employees.
- Responsible for the care of aquatic livestock.
- Direct employees when manager is not present.
- Maintain an organized workplace through daily tasks of cleaning and restocking.