

Carter Ma

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Enthusiastic results-driven software developer with deep passion for coding and continuous learning. Outstanding troubleshooting and analytical ability. Goal oriented & motivated by complex challenges and collaboration.

EDUCATION

Athabasca University 10/2022 - 11/2023 (Expected)

University Certificate in Computing and Information Systems

University of Alberta 09/2013 - 12/2017

Bachelor of Science

- Major in Biological Science
- Minor in Chemistry

TECHNICAL SKILLS

Programming Languages & Skills

Java, C#, JavaScript, HTML, CSS, SQL, Spring Boot, Maven, Shell Script, .net, Redis, MySQL, React, Git.

Other Tools:

Linux, IntelliJ Idea, Postman, AWS, Sublime, Visual Paradigm, VMware, Docker, pgadim4.

PROJECT EXPERIENCE

Jewelry Warehouse Management System / Full Stack Web Application

Description & Technologies:

- React(Frontend)/Spring Boot(Backend)/MySQL(Database).
- Developed comprehensive warehouse management system tailored for jewelry businesses.

Highlights:

- **Inventory Management:** Enabled merchants to efficiently track and manage jewelry inventories, with features supporting both inbound and outbound logistics.
- **CRUD Operations:** Integrated functionalities for additions, updates, deletions, and retrieval of information related to jewelry pricings, suppliers, and other daily operation relevant data.
- **SDLC & Front-end & Back-end Separation Development:** Demonstrated deep understanding of Software Development Life Cycle, successfully executing project with distinct front-end and back-end development phases to ensure efficient and modular system design.

Personal Web Development Project / Web Application

Description & Technologies:

- HTML/CSS/JavaScript.
- Designed& implemented web application, showcasing blend of content aggregation and user interactive features. Website served as platform to demonstrate integration of third-party APIs, dynamic content loading, and enhanced user interactivity.

Highlights:

- **Libraries:** Integrated jQuery to enhance interactivity and streamline JavaScript functionalities.
- **Web API Integration:** Incorporated various web APIs, including YouTube, to enrich site content and functionality.
- **Dynamic Content Loading:** Implemented AJAX techniques to fetch and display content without need for full-page refreshes.

Alice in Wonderland Narrative Game / Java Application

Description & Technologies:

- Java programming
- Created narrative-driven game based on Alice in Wonderland story where players assume the role of Alice.

Highlights:

- **Game Experience:** Players engage with various in-game scenes, making choices and interactions that lead them through the story until its culmination.
 - **Native Java Implementation:** Demonstrated robust understanding and application of core Java principles, showcasing strong foundation in the language.
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WORK EXPERIENCE

Bureau Veritas / Laboratory Analyst II

04/2019 - 06/2022, Cold Lake, Alberta

Description:

- Responsible for conducting laboratory analyses specific to Esso, the oilfield industry; overseeing data collections, reporting, and database management; managing various laboratory instruments to ensure their optimal performance.

Highlights:

- **Data Collection:** Conducted over 50 types of daily field data collections and 5,000+ precise tests weekly.
- **Data Reporting:** Ensured timely data processing and reporting using SharePoint for streamlined uploads.
- **Database Management:** Designed and modified experimental database per client's requirements.
- **Hardware Maintenance:** Managed 15 advanced laboratory instruments.

Pro-Pipe / Plating Technician

04/2018 - 03/2019, Nisku, Alberta

Description:

- Responsible for supervising the plating process of oilfield pipes& special parts from manufactory industries; ensure high quality and efficiency in all operations; perform plating-related chemistry tests; take charge of training new workers.

Highlights:

- **Chemistry Research:** Assisted in plating-related chemistry examinations and chief chemist experiments.
 - **Equipment Operation:** Operated cranes, sandblasters, and forklifts.
 - **Hazardous Chemicals Management:** Safely managed hazardous chemicals in line with regulatory standards.
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