Dai Huang

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EDUCATION

Algonquin College（In Progress）   **Ottawa, ON**
Computer Programming (Co-op Program)   09/2022 - Present

- **Main Courses:** Object Oriented Programming, Database, Operating System Fund, Web Programming, Business Programming

Algonquin College   **Ottawa, ON**
Bachelor of Business Administration   01/2020 – 04/2022

- **Main Courses**: Project and Database Management, Business Computer Applications, Quantitative Methods, Finance

SKILLS

Backend Development: Java, COBOL, Python, C, Shell Script

Frontend Development: Html, CSS, JavaScript, React

Others: Database, Git, Commonly Used Commands in Linux, Advanced knowledge of business

PROJECTS

Full-Stack-YelpCamp   **Ottawa, ON**
Create a Full-Stack YelpCamp web application for travelers to review and create their own campgrounds

- Set up Frontend View Engine using Embedded JavaScript with HTML/CSS/JavaScript
- Implemented the RESTful APIs with NODE.js to handle HTTP requests and response
- Designed user and activity database using MongoDB to ensure App's stability and persistency

Movie Recommender System   **Ottawa, ON**
Constructed a movie recommendation system using Hadoop Framework to recommend movies to users in Java.

- Set up relational database (MySQL)to pre-process real data (1GB user rating score of movies) from Netflix
- Implemented Item Collaborative Filtering algorithm (Item CF) to get rating matrix and co-occurrence matrix using Hadoop
- Designed a pipeline using four MapReduce job to achieve the summation of multiplication of two matrices and recommend movies to users according to normalized summation scores.

Student Management System   **Ottawa, ON**
Constructed a student management system using frontend knowledge and MySQL to manage information about students.

- Set up relational database (MySQL)to manage data about students.
- Designed webpages related to database using HTML/CSS/JavaScript