James Cahyadi

Computer Science and Finance Undergraduate

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Skills

Languages	JavaScript, Python, HTML/CSS, SQL, Java
Technologies	React, PostgreSQL, Express, Git, VBA
Soft Skills	Initiative, Fast-Learning, Problem Solving, Team Building, Detail-Oriented

Projects

Inventory Management
inv-management.herokuapp.com

- Built a full-stack PERN (PostgreSQL, Express, React, Node) application for managing and tracking equipment
- Developed a RESTful API to perform HTTP requests (get, post, put, delete) on item and order information
- Implemented search functionality, ability to merge orders, and a database design that applies normalization rules
- Used Material-UI components to assist in frontend development and enhance the overall user experience

Popcorn Movies
the-popcorn-movies.herokuapp.com

- Developed a website to search, read plot summaries, and view trailers of movies using VanillaJS, HTML/CSS
- Leveraged external APIs from Open Movie Database, New York Times, and Youtube to obtain movie information
- Used CSS flexbox and grid layouts to improve the user interface and assist in mobile responsiveness

Word Search

- Built a word search game using Pygame that dynamically generates a random word bank and board each time
- Implemented a resizeable board with variable dimensions and ability to reveal words from the word bank

Dodge Master

- Utilized object oriented programming to build an endless dodging game with Java Swing
- Constructed a collision detection engine for player and bouncing blocks

Experience

Technical Implementation and Support Specialist
Stouffville, ON

Front Rush - Software company providing athletics software solutions — May 2020 - Aug. 2020

- Revamped frontend of company's website and admin site using JavaScript/HTML/CSS by translating wireframes
- Developed an announcement board page for website to inform customers about the latest product updates
- Used Chart.js to insert graphs into website which enabled clients to visualize transaction data stored in the database
- Wrote SQL queries to import data, create reports, and solve tickets for clients, including NBA teams and colleges
- Restyled email notifications and transaction receipts to match the theme of the new website's user interface
- Created an image extraction macro using VBA to allow equipment managers to view item images

Taekwondo Instructor
Markham, ON

Master Teo's Taekwondo — Jan. 2017 - Jun. 2019

- Led hourly long classes of over 20 students to ensure they learned patterns and techniques with confidence
- Refereed in-class sparring matches to administer the rules and enforce sportsmanship amongst competitors

Education

Candidate for Bachelor of Computing and Financial Management
Waterloo, ON

University of Waterloo — Sep. 2019 - Apr. 2024 (Expected)

- 1A & 1B Term Dean's Honour List (88.2%)