Yun Ji How

Aspiring Software Developer / Computer Science Graduate

Portfolio	https://next-portfolio-zeta-hazel.vercel.app/
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EDUCATION

University of Manitoba   Winnipeg, MB, Canada
Bachelor of Science - Major, Computer Science   September 2018 - June 2023

Relevant Coursework   Software Engineering, Databases Implementation, Operating Systems, Data Mining, Object Orientation, Data Structures and Algorithms, Technical Communication, Professional Practice in CS, Real-Time Systems, Computer Graphics.

SKILLS

Programming Languages	Javascript/Typescript, Java, C, C++, C#, Python
Libraries / Frameworks	React, Next.js, Node.js, Express, TailwindCSS, MUI
Databases / DBMS	SQL, MySQL, NoSQL, MongoDB, Microsoft SSMS
Searching & Sort Algorithms	Binary Search, DFS, BFS, Merge Sort, Quick Sort, Heap Sort, A*
Data Structure	Linked List, Binary Tree, BST, Stack, Queue, Graphs, Hash Table
Testing Methodologies	Unit Testing, Integration Testing, System Testing, White Box/Black Box Testing
Development Methodologies	SDLC, Agile, Scrum, OOP, SOLID, MVC, TDD/BDD, CI/CD
Command-Line Interfaces (CLI)	Git Bash, PowerShell, Unix/Linux
Tools / IDE / Platforms	Git, GitLab, GitHub Actions, Docker, Kubernetes, VS/VS Code

PROJECTS

Sky Cast Weather App | MERN, REST, Google Place API   Web Link | GitHub Link
- Developed a **mobile-responsive** app with CSS media queries for an enhanced visual web experience.
- Integrated Google Place API for **location-based autocomplete**, enhancing user search experience.
- Utilized MongoDB for data storage and ensured seamless frontend-backend integration.

Little Lemon Restaurant App | UX/UI, Figma, MUI, Formik   Web Link | GitHub Link
- Transitioned from **wireframes** to high-fidelity prototypes and conducted user evaluations to refine the final design.
- Designed a **mobile-responsive** interface with Material UI for improved user experience.
- Incorporated Formik for efficient and reliable **client-side form validation** for table reservations.

Sentiment Analysis on Yelp Reviews | Data Mining, Jupyter Notebook, Python   Report Link | GitHub Link
- Analyzed and curated data, deriving insights about the most-reviewed cities.
- Utilized the **TF-IDF** approach to enhance sentiment analysis results.
- Applied **K-Means clustering**, recommending restaurants with similar profiles to users.

Basic Ray Tracing Technique Implementation | OpenGL, C++   Report Link | GitHub Link
- Implemented bounding volume hierarchies (**BVH**) to improve rendering speed.
- Used **Schlick's approximation** and shading models for varied visual scene results.
- Applied **super-sampling anti-aliasing** for improved visual quality.

CERTIFICATIONS

Meta Front-End Developer Specialization	Meta	October 2023
DevOps, Cloud, and Agile Foundations	IBM	October 2023
Introduction to Containers w/ Docker, Kubernetes & OpenShift	IBM	October 2023
Application Development using Microservices and Serverless	IBM	November 2023
Introduction to Test and Behavior Driven Development	IBM	November 2023
Version Control with Git	Meta	October 2022
Introduction to Databases for Back-End Development	Meta	November 2022
Hands-on Introduction to Linux Commands and Shell Scripting	IBM	December 2023
Developing AI Applications with Python and Flask	IBM	November 2023
Principles of UX/UI Design	Meta	September 2023
Continuous Integration and Continuous Delivery (CI/CD)	IBM	In Progress
IBM DevOps and Software Engineering	IBM	In Progress

EXPERIENCE

Store Associate (Part-time)   Winnipeg, Manitoba, Canada
Dollarama   November 2023 - Present

Merchandising Product	Efficiently stock and organize shelves, maintaining an appealing store layout to optimize customer shopping experience.
Transaction Handling	Perform accurate transactions and manage the opening and closing of the cash register.
Customer Service	Assist customers, addressing inquiries and ensuring satisfaction.

Casino Dealer (Temporary Part-time)   Genting Highlands, Pahang, Malaysia
Genting Group   December 2017 - March 2018

Card Handling	Consistently dealt cards with speed and accuracy, enhancing the player experience and maintaining game flow.
Transaction Handling	Managed bet calculations and chip transactions, ensuring accurate payouts and collection.
Equipment Operation	Operated game-specific equipment, ensuring all games were conducted professionally and efficiently.