

Yun Ji How

Aspiring Software Developer / Computer Science Graduate

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

University of Manitoba

Bachelor of Science - Major, Computer Science

Winnipeg, MB, Canada

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

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| 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

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| <u>Meta Front-End Developer Specialization</u> | Meta | October 2023 |
| Relevant Coursework | Front-End Development, JavaScript, Version Control, React, UX/UI. | |
| <u>DevOps, Cloud, and Agile Foundations</u> | IBM | October 2023 |
| Relevant Coursework | DevOps, Cloud Computing, Agile Development, Scrum. | |
| <u>Introduction to Containers w/ Docker, Kubernetes & OpenShift</u> | IBM | October 2023 |
| Relevant Coursework | Docker, Kubernetes, OpenShift. | |
| <u>Application Development using Microservices and Serverless</u> | IBM | November 2023 |
| Relevant Coursework | Microservices, REST API, Serverless. | |
| <u>Introduction to Test and Behavior Driven Development</u> | IBM | November 2023 |
| Relevant Coursework | Test Driven Development, Behavior Driven Development, Behave, Mocking. | |
| <u>Introduction to Databases for Back-End Development</u> | Meta | November 2022 |
| Relevant Coursework | SQL, CRUD, Sorting, Filtering, Database Design. | |
| <u>Hands-on Introduction to Linux Commands and Shell Scripting</u> | IBM | December 2023 |
| Relevant Coursework | Linux, Shell Scripting. | |
| <u>Developing AI Applications with Python and Flask</u> | IBM | November 2023 |
| Relevant Coursework | Python, PyTest, Flask. | |
| Continuous Integration and Continuous Delivery (CI/CD) | IBM | In Progress |
| IBM DevOps and Software Engineering | IBM | In Progress |

EXPERIENCE

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| Store Associate (Part-time) | Winnipeg, Manitoba, Canada |
| <u>Dollarama</u> | 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 |
| <u>Genting Group</u> | 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. |