

Yun Ji How

Computer Science Graduate

[Portfolio](#) | [GitHub Profile](#) | [LinkedIn](#)

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EDUCATION

University of Manitoba

Bachelor of Science - Major, Computer Science

September 2018 - June 2023

SKILLS

Programming & Markup Languages	Javascript/Typescript, Python, Java, C, C++, C#, HTML, CSS, Markdown
Libraries/Frameworks	React, Next.js, Node.js, Express.js, REST APIs, Pandas, OpenGL, TailwindCSS
Tools / Platforms	GitHub, Visual Studio Code, Jupyter, Figma, Heroku, WordPress
Command-Line Interfaces (CLI)	Git Bash, PowerShell, Unix/Linux, Shell Scripting
Databases	SQL, NoSQL, MongoDB
Development Methodologies	Agile, Scrum, DevOps, OOP, SOLID

PROJECTS

[Sky Cast Weather App](#) | [Web Link](#) | MERN, REST APIs, CSS, NoSQL, Git, Heroku

- 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](#) | [Web Link](#) | UX/UI, Material UI, Formik, React, Figma

- 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, Pandas

- 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++, Visual Studio

- 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	Coursera	October 2023
DevOps, Cloud, and Agile Foundations	Coursera	October 2023
Introduction to Containers w/ Docker, Kubernetes & OpenShift	Coursera	October 2023
Application Development using Microservices and Serverless	Coursera	November 2023

EXPERIENCE

Store Associate (Part-time)

Dollarama

- Merchandised products, managed cash register operations, and provided customer service.

Winnipeg, Manitoba, Canada

November 2023 - Current