

How Yun Ji

Systems Analyst

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

PROJECTS

Next Admin System | Next.js, TailwindCSS, REST, JWT, bcrypt

[Web Link](#) | [GitHub Link](#)

- Developed a web-based administrative system using **Next.js**, enabling dynamic form management.
- Built a secure authentication server with Express.js, implementing **JWT** and **bcrypt** to enhance user security.

Ray Tracing Technique Implementation | OpenGL, C++

[Report Link](#) | [GitHub Link](#)

- Implemented bounding volume hierarchies (**BVH**) to improve rendering speed.
- Enhanced visual quality using **Schlick's approximation** and **super-sampling anti-aliasing**

Sentiment Analysis on Yelp Reviews | Data Mining, Jupyter Notebook

[Report Link](#) | [GitHub Link](#)

- Utilized the **TF-IDF** approach to enhance sentiment analysis results.
- Applied **K-Means clustering**, recommending restaurants with similar profiles to users.

EXPERIENCE

Systems Analyst

Malaysia

[RBC Capital Markets](#)

Jul 2024 - Present

Agile (Scrum), Jira, Confluence, GitHub, Django, React

Store Associate

Winnipeg, MB, Canada

[Dollarama](#)

Nov 2023 - Jun 2024

POS system, merchandising, heavy lifting

Casino Croupier

Genting Highlands, PHG, Malaysia

[Genting Malaysia Berhad](#)

Dec 2017 - Mar 2018

Baccarat, Three Pictures, chip & card handling

SKILLS

Programming Languages	Javascript, Typescript, Java, C, C++, Python
Libraries / Frameworks	React, React Native, Next.js, Expo Router, Node.js, Express, TailwindCSS
Databases / DBMS	NoSQL, PostgreSQL, MongoDB, pgAdmin
CLI / IDE / Platforms	Git, GitHub, Docker, Heroku, VS Code, Unix/Linux, Jupyter
Tools	Figma, Gimp, Ms Office, G Suite

EDUCATION

University of Manitoba

Winnipeg, MB, Canada

Bachelor of Science - Major, Computer Science

Sept 2018 - Jun 2023

Coursera

[Continuous Integration and Continuous Delivery \(CI/CD\)](#)

Apr 2024

[DevOps, Cloud, and Agile Foundations](#)

Oct 2023

[Meta Front-End Developer Specialization](#)

Oct 2023