

Yong Le He

Skills Summary

Languages	HTML/CSS JavaScript TypeScript SQL Python Java C/C++ Bash Golang
Libraries	React.js Next.js Node.js TailwindCSS Flask Pandas NumPy Matplotlib
Tools	GIT Firebase Supabase PostgreSQL MongoDB Android Studio Jupyter Notebook

Education

Sep 2022 - present	Honours Bachelor of Computer Science , <i>University of Toronto Scarborough</i> ○ CGPA: 3.82/4.00
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Technical Projects

Jan 2024	Data Science Accuracy Competition , <i>DS3 Datathon</i> ○ Created 3 machine learning models using the CNN , SVM , and Random Forest algorithms in Keras and Tensorflow , winning an overall 6th place in the competition ○ Researched about the features of the dataset, analyzing its covariance with the target variable using NumPy , Pandas and Matplotlib , resulting in cleaner data without outliers and redundant features
Dec 2023	Thomp - Social Media Cloud App , <i>Personal Project</i> , Full-stack Developer Demo: Website URL ○ Engineered a secure authentication system using modern JWT token-based authentication to ensure secure connection to API endpoints in the Golang backend server ○ Architected application using Supabase services as the cloud infrastructure for seamless integration of storage, authentication, and database functionalities, providing fluid user experience ○ Designed and optimized database schema, incorporating advanced PostgreSQL features such as functions, triggers, and cron jobs, resulting in improved database performance and the removal of unnecessary data
Oct 2023	College Coin , <i>Hack the Valley 8</i> , Full-stack Developer ○ Conceptualized and developed a student loan marketplace using JavaScript and MongoDB to promote affordable education by streamlining the lending process, winning a top 50 placement ○ Implemented the Next.js framework and React.js server components, resulting in a remarkable 70% reduction of client-side JavaScript payload

Course Projects

Jul - Aug 2023	Javan's Mall , <i>Introduction to Software Design</i> , Android Developer ○ Utilized Object-Oriented design principles in Java to ensure code reusability, extensibility, and readability within the application ○ Created comprehensive unit tests with JUnit , while effectively mocking dependencies using Mockito , achieving 100% line coverage ○ Applied the scrum methodology and actively participated in all meetings, facilitating efficient communication and knowledge sharing to achieve a 4.0 on the project
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Work Experience

Jun 2023 - present	Student Scheduling Assistant , <i>University of Toronto Scarborough, Toronto, ON</i> ○ Identified and proposed creative room-change solutions, allowing for the availability of larger rooms for other events, optimizing space utilization ○ Developed a collection tool using Microsoft's SharePoint API and VBA , automating the enrolment control gathering process and increasing efficiency
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