

Fred Hong

fredhong.to@gmail.com • (647) 774 6675 • linkedin.com/in/fred-hong-to

EDUCATION

York University | Toronto, ON

Honors Bachelor of Science in Computer Science

Sept 2020 – Aug 2025

Relevant Coursework: Data Structures, Computer Organization, Database Systems, Machine Learning, Advanced OOP Programming

SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, HTML, CSS, XML

Libraries & Frameworks: React, Django, Swing, Tkinter, Flask, MUI

Software & Tools: Eclipse, VS Code, MySQL, MongoDB, SQLite, Git, Jira, Trello, Postman

Soft Skills: Communication, Teamwork, Self-management, Problem-solving

WORK EXPERIENCE

Full-Stack Developer Intern | **LDRS Investments Inc** | Toronto, ON

Jan 2023 – April 2023

- Built RESTful APIs for the foundations of a service that automates administrative tasks for business processes and management capabilities using **Django**
- Developed services and APIs for authentication and security features using Django and **SQLite** to increase flexibility with access permissions, and ensuring security while acquiring data
- Implemented UI elements using **React and Typescript** in adherence to design guidelines; an executive dashboard to process user-management

Computer Science Tutor | **Self-Employed** | Toronto, ON

Aug 2021 – May 2022

- Developed career communications and professional development for high school students pursuing computer science in post-secondary
- Instructed on web development fundamentals using **HTML, CSS, and JavaScript** through zoom sessions, and meetings
- Taught programming fundamentals, including functions and basic data structures, in **Java**, to over 30 introductory computer science students to foster technical development

Additional Fundamentals: Calculus I, Discrete Mathematics, Object-Oriented Programming, Computational Logic

ADDITIONAL EXPERIENCE

Technician Officer | **Brain Changes Initiative** | Toronto, ON

Jan – Apr 2022

- Provided technical support and setup for all hardware and software application utilized by club members and executives
- Booked, set up, and operated all equipment used during club meetings and events
- Maintained and operated club website with up-to-date information

PROJECTS

Footwear E-Commerce Application

- Built a **MERN** Stack e-commerce application, implementing the ability to add or edit shoe products in a cart, checkout functionalities, and finally, integrating a payment process platform with **Stripe**
- Utilizing **react-redux** and local storage to implement a login and sign-up functionality for users to create accounts for their orders

Event Management System

- Developed an application where users may insert or remove an event type (conference, journal or book) with its corresponding name, event id, and date, and store it into a database using **MySQL**
- **Swing (Java)** is used to produce the GUI and provide listener functions that can be invoked through user's input
- Acquire database results by executing insert and select query statements on tables, and displaying it on the GUI