

Ming Liang Dai

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Portfolio: <https://mingliangdai.github.io/>

SKILLS

- + **Languages & Frameworks:** JavaScript, React, HTML, CSS, Bootstrap, Python, Django, C++
- + **Methodologies:** Agile, Scrum, Kanban, Dynamic Software Development Method, Lean, Waterfall
- + **Soft Skills:** Communication, teamwork, leadership, hard worker, fast learner

EXPERIENCE

Jun 2020 - Aug 2020

FRONTEND DEVELOPER

MEGAComfort Inc, Toronto ON

- + Redeveloped the company's dashboard portal from scratch, **reducing load time by 300%**
- + Implemented 15+ dashboard widgets using third-party libraries to **visualize dashboard data** for distributors and companies affiliated with MEGAComfort Inc.
- + Implemented resizable dashboard elements and **real-time data filtering**, allowing for **user customizability** and responsive, interactive **data visualization**
- + Developed an **AI** driven **React** camera web application using **OpenCV.js** library to reduce the need for user inputs and improve **user experience** through image processing and automatic photo taking
- + Developed interactive webview using **React** to summarize user feet measurements

Mar 2019 - Jun 2019

HIGH SCHOOL MATH TUTOR

Teenage Tutor, Toronto ON

- + Raised the academic average of 5 high school students by a total of **60+%**
- + Accelerated clients' understanding of mathematical concepts through thorough explanations
- + Coordinated and organized weekly tutoring sessions with clients that satisfied both parties

PROJECTS

May 2020 - May 2020

TRANSACTION RECORD TRACKING APP – THE LEMONADE STAND

- + Coding challenge presented by MEGAComfort for its frontend developer position, with **50+** submissions
- + Developed with a **Django** backend and **React** frontend, using **Bootstrap** for styling
- + Employees can enter sales that they have made and their transaction report will update dynamically, able to handle multiple employees at once

Jan 2020 - Feb 2020

INSTAGRAM BOT

- + Developed a **Python** algorithm that automatically performs data collection on user's followers list
- + Implemented **Python** list functions to organize and analyze data for mutual followings
- + Executed **JavaScript** commands to access **HTML** elements using **Selenium** and **ChromeDriver**

Jan 2020 - Jan 2020

E-COMMERCE WEBSITE

- + Demonstrated understanding in **CSS** display configurations to accommodate for mobile devices
- + Designed appropriate layouts to maximize **user experience (UX)** and improve **user interface (UI)**
- + Incorporated menu buttons using **JavaScript** to allow navigation through categories of items

Nov 2019 - Dec 2019

STOCK PORTFOLIO PERFORMANCE ANALYZER

- + Computed the adjusted cost base and annual capital gain/loss of securities using **C++** for fast performance
- + Incorporated **linked lists** and **manual memory allocation** to effectively store data
- + Implemented **selection sort** to organize and analyze stock portfolio data for a specific time period

EDUCATION

Sep 2019 - Apr 2024

UNIVERSITY OF WATERLOO, ON, CANADA

- + Candidate for Bachelor of Applied Science – Computer Engineering
 - o President's Scholarship of Distinction (95+% admission average)