

Xingzhi Chang

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PERSONAL SUMMARY

Computer Science graduate passionate about software, database, and web development. Strong domain knowledge in Algorithm, Data Structure, and UI optimization. Highly skilled in database design and development, including stored procedures, functions, triggers, complex views. Experienced in a range of modern technologies including Java, Python, and SQL.

PROFESSIONAL EXPERIENCE

Jan 2021 — May 2021

Review Site Web Design

- Lead 8 members team to design and document the project plan, allocate the resources and tasks.
- Designed and developed the web application via **TypeScript** and **JavaScript** in Angular.
- Designed and developed the back-end database for data hosting and exchange.
- Enhanced, optimized, and redesigned website UI looking and user experience.
- Performed **Agile testing** – created and executed test scripts.

Sep 2020 — Jan 2021

AI Chat-bot

- Designed and developed the project following the **agile process** with a team. Allocated and managed the project resources via **Git** and **GitHub**.
- Scraped useful data from over **100+** websites and formatted data appropriately then converted it into json files.
- Performed **Unit Testing** for web scraping also handled errors and exceptions in the program.
- Developed a user-friendly UI for the application.

Sep 2018 — Jan 2019

Database Design Project

- Designed and developed SQL relationship database to store the data from the Web app.
- Develop **custom functions** and **triggers** to conduct data update/insert/delete.
- Develop and optimize the **SQL queries** to extract data for data analysis.
- Troubleshoot and root-caused analysis for any data quality issues.
- Expanded database by adding additional tables and relationships.

Nov 2021 — Dec 2021

Warehouse Manager, Petpetz

Mississauga, ON

- Cooperated with Operations and Finance teams to accurately complete product forecasting and planning, and issue purchase orders.
- Performed and managed internal systems, including using inventory management website and **Microsoft Office**.
- Recorded inventory and restocked materials when needed.

Jul 2019 — Jan 2020

Customer Service, Teafun

St. Catharines

- Helped to increase customer return rates by providing excellent customer service at all times.
- Recorded and processed all orders in an organized and accurate manner.
- Performed all duties in accordance with Food Handling Procedures.

EDUCATION

Jan 2017 — Jun 2021

Honors Bachelor, Brock University

St. Catharines

Specialization in Computer Science and Mathematics

SKILLS

- | | |
|-------------------------------------|---------------------------------------------------------|
| - Mathematics | - Fast Learner |
| - Computer and technology knowledge | - Programming Language: Java, C++, Python, Haskell, SQL |
| - Software development | |

VOLUNTEER EXPERIENCE

Sep 2019

Mid-Autumn Festival Celebration

Brock University, Students'
and Scholars Association

- Helped manage and organize guest activities

May 2018

Rankin Cancer Run

St.Catharines, Community
Engagement &
Volunteering

- Worked as a volunteer leader to cooperate with local staff members, organizing over **200+** participants.