

# Zicheng Li

Hamilton, ON

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## Highlights of Qualifications

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- Strong programming skills in **Java** and **Python** through computer science curriculum and personal projects.
- Excellent understanding of **Object-Oriented Programming Principles**, **Software Design Patterns**, **Data Structures** and **Algorithms**.
- Proficient in front-end development using **HTML**, **CSS**, and **JavaScript**, as well as back-end development with **MySQL**, **IBM Db2** and **AWS**.
- Significant **Communication**, **Organization** and **Time Management Skills** developed through participation in Hackathons.

## Education

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**Bachelor of Applied Science (BASC), Computer Science**  
McMaster University

September 2021 - April 2025  
Hamilton, Canada

- Obtained a 3.9/4.0 GPA in all ten courses completed during the first year of study.

## Projects

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### DeltaHacks 9 Project: Math Assistant

[Link to Demo](#) [Link to GitHub](#)

*January 2023*

- Successfully developed a graphing calculator called “Math Assistant” in one day during a hackathon.
- Designed a calculator to assist students in learning calculus by providing an easy-to-use GUI interface created by **Java’s** Swing Framework.
- Developed a quiz mode to enhance the user’s learning experience.

### Incubator program

[Link to Incubator Kick-off](#)

*January - Present 2023*

- Currently organizing and executing the Incubator program as a logistics team member, helping over 100 participants complete their projects for the **2023 Google Solutions Challenge**.
- Pairing each participating team with a mentor, organizing workshops to assist the participants to complete their projects, and creating a 9-week plan to guide their progress.
- Delivered a 10-minute presentation at the opening ceremony of the Incubator program for over 50 participants.

### Employees Management API

[Link to GitHub](#)

*May 2023*

- A **REST** API project based on **Spring Boot** that manages employee information with **CRUD** operations, and successfully deployed it on **AWS Cloud** and **Amazon RDS**.

### PlayEdu

[Link to Video](#) [Link to GitHub](#)

*May 2023*

- An open source educational platform designed for enterprises and schools to conduct teaching activities. Click [here](#) to view demo video.
- Tech stack includes **React 18** for the frontend, **Java 17** and **SpringBoot 3** for the backend, **MySQL** and **Hibernate** for the database, and **MinIO** and **Redis** for video services.

## Work Experience

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### **Incubator Team Executive**

October 2021 - present

*Google Developer Student Clubs McMaster University*

- Managed logistics for various events, including determining event platforms, outlining event activities, planning in-person social events, and booking activity lounge spaces.
- Collaborated with the Marketing team to create a participant handbook, emphasizing effective communication skills.
- Demonstrated leadership skills by holding weekly meetings with the administrative team and reported progress to the Vice President.

### **Street Market Vendor**

May 2020 - September 2021

*Ideas Inc.*

- Communicated and explained the features of the vendor's products and helped customers find their favourite products.
- Assisted customers with payment processing, resulting in the development of strong customer service skills.

## Skills

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Languages: HTML CSS JavaScript Java Python C SQL Latex  
Frameworks: SpringBoot 3 MySQL Hibernate Maven Linux AWS Cloud Bootstrap5

## Achievements

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### **Faculty of Engineering Award of Excellence Scholarship**

April 2021

- Awarded the scholarship for enrolling with a high school average of 95%.

## References

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References available upon request