

# Minglu Gu

minglu.gu@dal.ca | (782) 234-0889 | Halifax, NS

GitHub: <https://github.com/minglugu> | LinkedIn: <https://www.linkedin.com/in/minglu-gu/>

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## EDUCATION

### DALHOUSIE UNIVERSITY

Bachelor of Computer Science

Halifax, NS

Sept. 2019 – Aug. 2022

- Sexton Distinction, Sexton Scholar, and Dean's List; Cumulative GPA: 4.08/4.3
- Coursework: Software Engineering, Web Development, Operating Systems, Data Structures and Algorithms, and Data Mining

## PERSONAL PROJECTS

### ONLINE GOBANG GAME

Aug. 2022 – Dec. 2022

- Implemented this game that two players can log in and take turns playing stones on a 15 x 15 grid
- Used HTML/CSS and JavaScript to design the front end and Java EE and frameworks to write the back end
- Deployed the game in a cloud environment using MySQL and Apache Tomcat
- Debugged codes using DevTools, exceptions, stack traces, and logging

### MUSIC FOR EVERYONE

Aug. 2022 – Nov. 2022

- Developed Music for Everyone that users can save, delete and choose the playlist of their favorite songs
- Integrated JavaScript and Spring MVC, Spring boot for faster and better development
- Set up Apache Tomcat and database using MySQL in a cloud environment to deploy this project

### ONLINE BLOGGER

Oct. 2022 – Nov. 2022

- Built Online Blogger for users to create, read, update and delete (crud) their blogs online
- Developed a client-server web application using Spring frameworks, MySQL, and JavaScript
- Deployed this project in a cloud environment using Apache Tomcat

## UNIVERSITY PROJECTS

### EZ-FITNESS APP

Team leader

Halifax, NS

May 2022 – July 2022

- Led teammates to design prototypes together using Figma
- Recorded, edited, and presented the demo video of navigating this app
- Delegated the writing task to teammates, proofread the draft, and finalized it into a journal article

### SMART SHOPPING CART

Team leader

Halifax, NS

Jan. 2022 – Apr. 2022

- Led teammates to research and deliver low, medium, and high-fidelity prototypes using Balsamiq
- Wrote milestones by grouping key information from teammates and citing the journal papers

### BARTER TRADER ANDROID APP

Team leader

Halifax, NS

Sept. 2021 – Dec. 2021

- Implemented this app that allows users to register, login, post/remove, exchange, search, and review items using Google Maps
- Wrote JUnit and Espresso testing as part of test-driven development
- Scheduled meetings, delegated work to teammates, and wrote milestone reports

## VOLUNTEER EXPERIENCE

### CAMP HILL VETERANS' MEMORIAL HOSPITAL

Meal Assistance

Halifax, NS

Mar. 2013 – Mar. 2020

- Set up a proper dining environment to allow the assisted person in control of the meal
- Found comfortable position for feeding if hands-on assistance is required
- Communicated with family members and respected the dining habit and privacy
- Reported to staff when something was unusual and trained new volunteers

## SKILLS & INTERESTS

**Technical Skills:** Java(SE/EE), Spring, Spring Boot, Spring MVC, HTML/CSS, JavaScript, jQuery, XML, JSON, React, MySQL, Python, C, Git, VS Code, IntelliJ IDEA, Vim, and Linux

**Soft Skills:** Quick learner, strong teamwork and problem-solving skills, critical thinking, well organized, patient and open-minded

**Interests:** Tutoring and mentoring, Gobang, yoga, traveling, museums, origami, volunteering, baking and trying new recipes, and reading Docs of programming languages