

# Amy Kong

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amykong.dev

## EDUCATION

Bachelor of Science  
Mathematics  
Minor in Data Science  
*University of British Columbia*  
Expected graduation: Dec 2023

## SKILLS

C/C++  
Java  
JavaScript  
React  
HTML/CSS  
Python  
R  
SQL  
PHP  
Bash scripting

## EXPERIENCE

**Lifeguard/Instructor** Oct 2018 – Present  
City of Vancouver

- Teach children and adults swimming skills and water safety in groups of 4 to 10.
- Develop and adapt lessons to various types of learners.
- Continuously learn new skills and techniques to teach in new environments.
- Ensure safety of 50+ patrons.

## PROJECTS

### To-do List

Java

- Designed and created a full-stack application to emulate a bullet journal layout with a to-do list, calendar, and notetaking feature.
- Used Java Swing for GUI and JUnit for unit testing.

### Transit Database

SQL, PHP, Oracle, JavaScript, HTML/CSS

- Modelled Metro Vancouver's transit network using SQL.
- Designed and implemented a dynamic GUI using JavaScript and HTML/CSS to execute SQL queries.