

# kevin chik

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## SKILLS

Java  
Android  
JavaScript  
React Native  
C++

## EDUCATION

### University of Waterloo

2017-2022  
Bachelor of Applied Science in  
Computer Engineering

## AWARDS

### Magna Family Scholarship

Awarded to 20 direct relatives  
of Magna employees from  
Canada and the US

## INTERESTS

Choreographed Dance  
Dragon Boat

## EXPERIENCE

### Software Developer

Marsh & McLennan Companies, Winter 2018  
Developed POC for mobile application in React Native and Java to  
communicate with backend web services  
Automated issue logging in Excel and JIRA using Selenium Java  
Created continuous delivery pipelines using Apache Ant and GOCD

### Lifeguard and Swim Instructor

Elgin West Pool, September 2016 - June 2017  
Resolved patrons' complications effectively to improve customer  
satisfaction  
Communicated with other lifeguards to ensure safety of swimmers  
Completed report cards under strict deadlines to document student  
progress

## PROJECTS

### Self-Improving Car Simulator

Created an object-oriented game to simulate driving over randomized  
terrain using Java and JBox2D  
Applied a self-improving genetic algorithm to optimize vehicle  
characteristics  
Implemented feature to support user created terrains  
Designed simulation display and menu using JavaFX

### Chat App

Created client infrastructure for a real-time chat software  
Designed back-end architecture for client to relay information with the  
server  
Developed chat box and menu using JavaFX

### McDonlads Minecraft Mod

Modified existing java code for the videogame Minecraft  
Created JSONs to map 3D models  
Implemented classes from source code to create new blocks and items

### Star Hop

Created an object-oriented jumping game on Android  
Implemented multi-threading to run game loop and animations  
Developed physics engine features including gravity simulation

### Arduino Smart Alarm

Created an Arduino alarm that tracks and analyses a user's sleeping  
patterns  
Called a restful API to obtain daily forecast  
Implemented a LCD screen to display information