

# ARSHIA MALEKAHMADI

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## QUALIFICATIONS AND TECHNICAL SKILLS

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Programming languages: Java, C, Rust, Smalltalk, HTML, CSS, Python  
Other skills: MS Office, Github, Linux, Bash

## COURSE STUDIES

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### Java programming language *Java*

Learned main concepts of code structure, algorithm development and implementation, and Object-Oriented design principles in computer languages mainly in Java.

### Discrete structure and computer algorithms *Java and C*

Learned main concepts and discrete coding structures and algorithms. For example, Backtracking, Graphs, Array Searching and sorting.

## PROJECTS

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### Poker Game

A simple poker game written in Java language, main focus of project was implementing algorithms for finding the winner of each hand faster, and having a lower overall run-time, throughout this project I learned implementing algorithms for faster run-time. December 2017

### Grocery Cart Simulator

Building a grocery cart and cash simulator using Java GUI framework, this program helped me improve building GUI and creating a user interface designs. March 2018

### WordFiller and WordPacking

Creating algorithmic programs for guessing words in a pattern and packing them based on their alphabets. These projects focused on implementing data structures and algorithms on data for maximizing efficiency of the programs. Main algorithms used are recursion, backtracking and memoization, which improved my skills in saving memory time and space. December 2018

### Siren Records

"Siren Records" is a music application written in Java, with basic functionality and user interface, which users are able to add songs to playlist, add to queue and etc. This application is written in Java, and was focused on writing tests, refactoring and software engineering techniques. April 2019

## EDUCATION

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### Ryerson University

Bachelor of Science (Honours) Computer Science *GPA: CS GPA 3.1* Toronto, ON

September 2017 - May 2021

## EXPERIENCE

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### TFS HIGHSCHOOL

*Math Tutor* Toronto, ON

September 2016 | July 2017

- Helped teachers organize materials, collecting papers and archiving students' papers, assignments and exams sheets, resulted in major improvements in organizing and managerial skills
- Setting one to one meeting with peers for assisting them. This improved personal time-managing, communication skills, and improved organizing working environment.

### Metro Grocery Store

*Deli Clerk* Toronto, ON

June 2017 | September 2017

- Serving deli to costumers by taking orders from costumer based on first-come first-serve basis, improved customer service skills, and management skills in rush hours.
- Taking order on the phone, for every large order and orders which required preparation, phone orders were taken, which improved phone service skills and customer service skills.

### Parsian Fine Foods

*Costumer representative and Deli Clerk* Toronto, ON

May 2018 | September 2018

- Provided costumers with details about product and different foods, improved communication skills and connecting with clients
- Taking catering orders on phone and managing different costumer and orders at the same time improved costumer service and ability to make decisions efficiently during busy working environments and hard tasks.