

# ARSHIA MALEKAHMADI

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## EDUCATION

### Ryerson University

Bachelor of Science (Honours) Computer Science

Toronto, ON

September 2017 - May 2021

## QUALIFICATIONS AND TECHNICAL SKILLS

Programming languages: Java, C, Rust, Python, HTML, CSS, SQL, Bash

Other skills: Bootstrap, git, Linux, Agile Methodology

## COURSE STUDIES

### Programming Languages *Java, C, Smalltalk, Rust, Haskell, Elixir*

Learned main concepts of algorithm development and implementation, and Object Oriented principles.

### Discrete structure and computer algorithms

Learned Dynamic programming, Memoization, Backtracking, Graphs, Array Searching and complexity analysis.

### Artificial Intelligence and Machine Learning

Studied algorithms and subjects such as, Belief networks, Natural language understanding, Neural networks, Linear models, Data processing and Data manipulation

## PROJECTS

### Siren Records

"Siren Records" is a UI music application that was written in Java. Users are able to add songs to playlist, and add to queue. This application was focused on writing tests, refactoring, and applying Agile methods to software projects. April 2019

### WordFiller and WordPacking

Developed algorithmic programs for guessing words in a pattern and packing them based on their alphabets. Main algorithms used are recursion, backtracking and memoization to achieve maximum efficiency. December 2018

### Grocery Cart Simulator

Built a grocery cart and cash simulator using Java GUI framework. This program helped me improve my overall layout of UI applications and use of common elements for better clarity. March 2018

### Poker Game

Built a poker game using Java. 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 taught myself implementing algorithms for better computational complexity. December 2017

## EXPERIENCE

### Canadian Tire

*Sales associate*

Toronto, ON

April 2019 - Present

- Answered product questions with up-to-date knowledge, improved my customer service and active listening skills.
- Took responsibility in dealing with new seasonal merchandises and reorganizing the warehouse based on seasonal products improved my commercial awareness and problem-solving 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

### TFS High school

*Math Tutor and Teacher Assistant*

North York, ON

September 2016 - July 2017

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