

Arshia Malekahmadi

www.arshiamalek.com arshiamalekahmadi@gmail.com 647-570-1118 <https://github.com/ashmlk>

Education

Ryerson University

Bachelor of Science (Honours) Computer Science (CS GPA 3.1)

Toronto, ON
September 2017 – May 2021

Qualifications and Technical Skills

Programming languages: Java, C, Python, HTML, CSS, SQL, Rust, Bash
Other skills: Bootstrap, Git, Linux, Oracle SQL Developer, Agile Methodologies

Course studies

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

Learned main concepts of algorithm development and implementation, object-oriented principles and functional programming.

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 manipulation.

Projects

House Price Prediction Model

- Developed a program that predicts house prices by using the Jupyter Notebook and Python libraries such as Seaborn, Pandas, Matplotlib, NumPy, and Scikit-learn.
- Founded correlation between data for improving the accuracy of the model by feature selection and reducing dimensions.
- Implemented predictive algorithms such as linear and logistic regression, kNN, gradient boosting, and decision trees for finding the most accurate classifier.

September 2019

To-Do List Application

- Designed and developed the application, using Java Swing frame work.
- Created and maintained centralized UI components for increasing development velocity and UI consistency.
- Delivered robust and highly maintained code by using design patterns and JVM.

August 2019

Map Application

- Implemented and developed a command-line map application using Java which shows distance between a source (user's input) and the cities in the programs database.
- Optimized program by implementing graph searching algorithms and complexity analysis.
- Increased readability and clarity of code by using object-oriented principles.

July 2019

Siren Records (Music Application)

- Developed a music application in Java for interactive user access to music libraries with functionalities such as adding and removing songs, and creating playlists on different profiles.
- Serialized user's data for future transmission and reconstruction on separate machines and networks.
- Wrote and executed unit and integrated test cases based on the software's design that resulted in a bug free and an intuitive UI program.

April 2019

Experience

Canadian Tire

Sales associate

Toronto, ON
April 2019 – Present

- Answered product questions with up-to-date knowledge, improved customer service and active listening skills.
- Took responsibility in dealing with new seasonal merchandises and reorganizing the warehouse based on seasonal products improved 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 products and foods, improved communication and management skills.