

Mingyi  
Wu

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## Technical SKILLS

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- Languages: Python, C/ C++, Java
- Database: SQL Database, Cassandra
- Applied Math, Statistics Analysis tool (R) , Algorithm Design
- Android studio
- Machine Learning, Neural Network, Tensorflow
- Web-Application: JavaScript, HTML/CSS
- Hadoop, PySpark, AWS, MapReduce

## Technical EXPERIENCE

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- **“Movie Recommender”** **Sep 2022-Dec 2022**  
Simon Fraser University
  - Design and implement neural network algorithm by tensorflow
  - Implement Cassandra database to store large dataset
  - Implement connector of tensorflow and Cassandra database for training
  - Analyze rating data feature of users by Spark
- **“Graph-based Recommendation System Design”** **Jan 2022-May 2022**  
Carleton University, Graduation project
  - Design a graph-based recommendation algorithm
  - Create database of Movielens dataset by MongoDB
  - Implement recommendation algorithm by java
  - Algorithm can generate reliable recommending movie based on user’s previous rating

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- **“Food recognition phone application”** **Sep 2020-Dec 2020**

Carleton University, Object-Oriented Software Engineering

- Create a phone application to recognize the photo of food and estimate calories by Android studio
- Developed online Database server by Google cloud to storage data of users
- Develop user interface and web crawler for calorie searching
- Lead and manage four people develop-application team

## Education

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**Msc in Computer Science, Professional Master’s Program** (in progress, 2022-2024)  
Simon Fraser University, Burnaby, Canada

- Concentration in Big Data

**Bachelor of Computer Science & Mathematics Honours** (2018-2022)

Carleton University, Ottawa, Canada

- Concentration in Computing Theory and Numerical Methods
- Minor in Economics

## HONOURS & AWARDS

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- Dean’s Honour List (Carleton University) 2021 & 2022

## INTEREST

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- Hiking, Cycling
- Music, Movie