

Fanchi Meng

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<https://fanchi.github.io/>

Currently in Edmonton, Alberta. Willing to relocate

Summary

Strong Computer Science fundamentals in data structures and algorithms

Hands on experience in machine learning and data analysis

Hands on experience in big data with Hadoop

Proficiency in Java, Python and Matlab

Education

Jan-2014 to Dec-2018: PhD in Software Engineering & Intelligent Systems,
[Department of Electrical and Computer Engineering, University of Alberta](#), Canada.

Sep-2006 to June-2013: Bachelor & Master in Computer Science and Technology,
[College of Information Engineering, Northwest A&F University](#), China.

Project Experience

DMRpred

- A machine learning model that predicts an important function for protein data
- Solves a binary classification problem
- Trained on structured data with extensive feature engineering
- Open to the research community and will publish in high impact journal
- [machine learning model](#) Random Forest
- [Web server](#) <http://biomine.cs.vcu.edu/servers/DMRpred>
- [Back end implementation](#) Java + MySQL

Recommender system

- Movie recommender system running on Hadoop
- Based on item-item Collaborative Filtering (item CF)
- Five chained MapReduce jobs
- [Project page](#) <https://github.com/fanchi/RecommenderItemCF>

A full list of my projects and publications can be found at <https://fanchi.github.io/>

Skills

- **Programming languages:** Java, Python, Matlab
- **Machine learning models:** Logistic Regression, Naive Bayes, Random Forest, (Deep) Neural Network
- **Machine learning applications:** data acquisition, data cleaning, feature engineering, feature selection, hyperparameter tuning, model evaluation, statistic analysis
- **Machine learning/Data mining tools:** scikit-learn, tensorflow, weka
- **Big data:** Hadoop Map-Reduce
- **Database:** SQL
- **Operating System:** Linux shell/GUI
- **Version control/workflow:** Git