

Yanwu Ren

Contact Information

Name: Yanwu Ren

Email: yanwu@ualberta.ca

Phone: (587) 937-6996

Address: Newton Place, 8515-112 Street, Unit 1010, Edmonton, AB, T6G 1K7

Education

University of Alberta

Sep 2018-Present

Master of Engineering in Software Engineering and Intelligent Systems

GPA: 3.8 / 4.0

Selected Coursework: Data Analysis and Knowledge Discovery, Fuzzy Sets in Human-Centric Systems, Advanced Neural Networks, Intelligent Web, Metaheuristic Optimization

Beihang University

Sep 2014-Jul 2018

Bachelor of Engineering in Software Engineering

GPA: 3.3 / 4.0

Selected Coursework: Advanced Programming Language (C++, Java, C#), Data Structures, Algorithms, Database Systems, Operating System, Computer Network, Compiler Theory, Design of Web Site

Experience

DiDi Global

Apr 2019-Aug 2019

Machine Learning Intern

- Analyzed data to predict user behaviors from raw
- Optimized the machine learning algorithms to improve accuracy and efficiency
- Implemented the data clean system

Oracle Corporation

Feb 2017-Oct 2017

Software Test Intern

- Tested PL/SQL compiler of the new version Oracle database, ensuring that it can support Chinese characters correctly
- Reported the bugs and annotated possible causes
- Improved the testing framework

Big Data Lab of Beihang University

Oct 2016-Feb 2017

Research Student

- Developed the search engine of "Youfa" big data platform based on ElasticSearch
- Designed the structure of the database and preprocessed the data
- Extracted some keywords from the text format data

Projects

Beijing City Street Tree Map Website

Oct 2017-Jun 2018

- Designed and implemented a website system to reflect the location and health status of street trees in Beijing
- Analyzed the impact of environment on the health of street trees using Random Forests
- Techniques covered: React, Node.js, Baidu Maps Open Platform, Ngnix, Random Forests

Errata System for Library of Beihang University

Sep 2015-Jun 2016

- Implemented an errata system for the website of Library of Beihang University
- Techniques covered: ASP.NET, Object-Oriented Design

Selected Course Projects

Implementing and Evaluation Radial-basis Function Networks with k-Means

Feb 2019-Mar 2019

- Implemented a new method for training a Radial Basis Function Network in MATLAB, employing the hybrid k-means / recursive-least-squares learning algorithm

A Fuzzy-based Approach to Evaluating the Fitness of Clothes Purchased Online

Nov 2019-Dec 2019

- Implemented a program to evaluate the fitness of target online clothes with certain size codes based on fuzzy theory

Compiler for PL0 Language

Nov 2016-Jan 2017

- Implemented a compiler for PL0, which is a simple programming language

Skills

- Programming languages: C/C++, Java, C#, Python, Javascript, HTML, SQL, Shell, R, MATLAB
- Frameworks: ASP.NET, Django, JSP, Tensorflow, Spark
- Databases: MySQL, Oracle, Redis, Hive
- Technologies: Machine Learning, Crawler

Activities

Teaching Assistant of *Introduction to Computer Science*, Beihang University

Sep 2017-Jan 2018

- Helped the professor finish the teaching tasks and correct the assignments