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Dong Yufei
Software Engineer

Education
EDUCATION

2012 ~ 2016

Harbin Institute of Technology

- 🎓 Computer Science and Technology(Bachelor's degree)
- 🏆 2014 39th ACM-ICPC International Collegiate Programming Contest**Asia Anshan Regional Contest Bronze Medal、Beijing Regional Bronze Medal**
- 🏆 2014 2014 ACM-ICPC **China Beijing Invitational Programming Contest Bronze Medal**
- 🏆 2014 2014 ACM-ICPC **China Northeast MultiProvincial Programming Contests First Prize**
- 🏆 2014 2014 ACM-ICPC **China Heilongjiang Provincial Programming Contest First Prize**

Language
LANGUAGE

| CET-4 | 486 |
| CET-6 | 409 |

- ★ Able to read English documents and other information
- ★ Able to communicate on communities such as StackOverflow

Experience
EXPERIENCE

Overseas SW Dpt, Tcl Multimedia R&D, Shenzhen
2016.9 ~ present

Software Developer

- ⚙ Participate in the internal translation system reconstruction, add new features, optimize the database table structure, rewrite the search logic
- ⚙ overseas area Android system pre-installed application-related problems analysis, to provide technical support to third parties
- ⚙ To share technology lesson, such as git basic tutorial

LINE, Dalian
2015.07 ~ 2015.09

Software Developer(internship)

- ⚙ Participate in the internal java WEB application (knowledge sharing platform, HR recruitment system) development, participate in needs analysis, the overall design, implement part of the

Skills
SKILLS

Frontend Development

HTML / CSS / JavaScript

- ★ Understand the basic HTML, CSS syntax, can achieve a simple layout of the web pages
- ★ Understand the basic syntax of javascript, have the ability to write form validation or web game logic code

Backend Development

Java

- ★ Can use the **Spring Boot** / **Thymeleaf** / **Spring Data JPA** build a simple back-end procedures and database interaction, rendering templates and provide **RESTful API**
- ★ Understand the MVC model, familiar with Java's object-oriented programming ideas

Other

- ★ Use **Flask** (**Python**) to build a simple server
- ★ Use the **MySQL** database
- ★ Understand **HTTP**, **TCP / IP** protocol

Miscellaneous

- ★ From the second grade of primary school began to contact **Pascal** language, learning algorithms and data structures, junior high school continued to participate in the 'National Olympiad in Informatics in Provinces', in college participated in the **ACM algorithm competition**
- ★ Skilled use of **C language**, understand the commonly used **data structure** and **algorithm**, understand the time complexity of common algorithms, familiar with the common C++ **STL** use
- ★ studied courses about computer networks, operating systems, computer architectures, database systems, data structures and algorithms
- ★ CCF Certified Software Professionals 400/500
- ★ use **Git** for version control, and also willing to try new tools
- ★ Personal experience: in the university as a C language experimental teaching assistant 3 semesters

modules frontend and backend

⚙ use **Spring Boot / Thymeleaf / mybatis / mysql / jquery / bootstrap**

Personal Project

Meachine Learning-Predict Airbnb New User Will Choose Which Country

⚙ Graduation design, using the machine learning method, according to the user's gender, age, and other attributes of the new user to predict the country that the user will select

⚙ Using **xgboost** as the main predictive model, python's numpy, pandas to do data preprocessing, and finally use a number of models for model ensemble

⚙ Reached the score of 38th in the 1462 contestants in the respective competition concluded on the machine learning contest website Kaggle

Personal Project   % Demo

Android Game:Pokemon Defense

⚙ Three mates use the **Unity engine** produced 3D tower defense game

⚙ Participate in the overall concept of the game, the details of the design, development, testing

⚙ **c#**, **js** scripting for the action of roles, attribute value changes and AI

Personal Project

Huffman compression software

⚙ a **Huffman coding** compression software wrote by **C++**, can effectively compress the text files

Personal Project   % Demo

html5 game : Snake & Mario demo

⚙ html game demo，use **canvas** to draw map and roles

⚙ Snake support for touch-screen device sliding operation

Personal Project   % Demo

Wechat Subcription server: chat robot Jizhi

⚙ The back end connects to a custom backend server, and the server software developed by python's **Flask** framework

⚙ Will record the sentence that users answer the robot，when the user speak, find the answer of sentence with highest similarity of the cosine to respose