

Objective

To obtain a challenging position as a software developer, where my talents can be applied and my expertise can be expanded.

Experience and Skills Summary

- 4+ years software development experience and 2 years project management experience.
- Knowledge of principles and techniques of NLP.
- Hands-on experience of C/C++, Python, Delphi and C#.
- Familiar with software development process and tools such as automation, testing.
- Excellent in CET Band4 and Band6, C+ in CET Spoken English Test.

Work Experience

- Suzhou Ruanxun Educational Technology Company (2010.7 – 2012.8)
Position: Development Manager
 - Led a 5-people group to design and implement a client-server system for English test with innovations in user interaction.
 - Designed and implemented an automation essay scoring system, and based on this core system, designed a web application for college English teaching and learning.
- Anhui USTC iFlyTek Co., Ltd. (2008.7 – 2010.7)
Position: Software Develop
 - Designed and implemented several Windows applications using C++, Delphi, C# based on voice cloud and speech evaluation.
 - Introduced testing automation to the group.

Projects

- Automation Essay Scoring System (2010.12 – Present)
Project Summary: An automation essay scoring system, and a web application for college English teaching and learning based on it.
 - Planning the project, and coordinating teachers and developers involved in.
 - Collected student essays and other datum, built a corpus for research and software development.
 - Designed the automation essay scoring framework, and the architecture of the web application.
 - Built the essay scoring model, implemented the automation essay scoring engine.

- Doing research on automation essay scoring, analyzing essays with techniques in NLP and other related fields.
 - Analyzing feature values of the essays to make out scoring indexes.
 - Improved the spelling checker's accuracy using bigram language model.
 - Improved the performance of the spelling checker by about 10 times.
- New Perspective English Test System (2010.7 – 2011.5)
Project Summary: A robust, easy-to-use, user-friendly English test system, supporting 43 question types.
 - Designed the simple and friendly operation for students to finish the test tasks on the computer, bringing kinds of facilities for students creatively.
 - Designed the architecture of the application, and data structures.
 - Implemented the data encryption and software protection with USB Key.
- YouTing Net Broadcast (2010.3 - 2010.6)
Project Summary: A Windows application based on the iFlyTek Voice Cloud, providing news RSS and local file TTS reading.
 - Designed and implemented the interface for the communication between the application and the voice cloud.
- ChangYan English Learning Series (2009.10 – 2010.3)
Project Summary: A series of software using speech evaluation technology to help students to learn English.
 - Designed and implemented configurable, extensible plugin modules.
- National Mandarin Test System (2009.2 – 2009.9)
Project Summary: An automation test system based on speech evaluation technology for national mandarin test, used all over the country by millions of candidates every year.
 - As a major developer, designed and implemented the monitor (server side) component of the system.
 - Introduced testing automation to the group, improved the efficiency of development and testing.

Education

2005.9-2008.6 M.S., Computer Aided Education, University of Science and Technology of China

2001.9-2005.6 B.S., Computer Science, University of Science and Technology of China