BIOGRAPHICAL SKETCH

NAME: Yan, Hao

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Chief Technical Officer

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	END DATE MM/YYYY	FIELD OF STUDY
Northern Jiaotong University, Beijing	BA	2000	Computer Science and Technology
Hong Kong Polytechnic University, Hong Kong	MA	2013	Software Technology

A. Personal Statement

For this project, I will be responsible for leading the AI team and creating Cupid robot. My expertise is on artificial intelligence application, oversight of system planning, and information technology landing. For the past 18 years, I have served as Chief Technical Officer, Senior Engineer, Product Manager, Project Manager, R&D Director, R&D Deputy General Manager, Technical Director, and Senior Development Engineer.

As a Chief Technical Officer, I organize R&D teams and link internal/external resources to build a core support system for family education and teaching, including: 1) AI intelligent applications: flexibly combining AI technologies such as speech recognition, speech synthesis, computer vision, etc., 2) Large-screen APP: Based on the characteristics and operating limitations of large-screen devices, it aims at the use of parents, children, and the elderly. Implement multi-level interactive design to enhance the effectiveness of course training. 3) Linkage with mobile phone apps, official accounts, and mini programs: build a networked user stickiness support system to cover a complete family education scene.

When I worked as R&D deputy general manager and technical director, I led a hundred-person R&D team to complete major projects such as TPM translation management system, ELP multilingual work platform, cloud translation service platform, language networking, etc. My team developed an enterprise-level system that brought nearly 100 million of direct income for the company. Presided over the key architecture design and application research, development of the core project of the Transcendent Language Network, established the core infrastructure and Model, completed multilingual text and document matching, multilingual summarization, intelligent multilingual input, and large-scale multilingual information processing. I also researched on technologies such as control systems and multi-language big data integration applications; completed the cloud translation project of the National Science and Technology Support Plan.

Being a Senior Development Engineer at a Pharmaceutical Network Technology Company, I developed an online self-diagnosis and treatment system for users, and used asynchronous WEB interaction at a very early stage to provide good user experiences. Researched and developed a national medical service price inquiry system, combined software and hardware, online and offline, to achieve a balance between safety and ease of use. Created business card display platforms for pharmaceutical companies; an early vertical B2B e-commerce application.

Professional Skill

Sophisticated with the following programs: Visual Studio, .NET, MS SQL2000, MSSQL 2005, ORACLE, Ajax, CSS, C/C++, JavaScript, VBscript, JAVA, XML, PHP, Strust, JMF, MYSQL, Linux, VC, Rose, UML, WebLogic, IIS, Flash Action Script, HTML, DHTML, ASP.NET, JSP, Python.

B. Positions and Honors

Positions and Employment

2001 - 2006 Senior Development Engineer, Qinmai Pharmaceutical Network Technology Co., Ltd.

2006 - 2018	R&D deputy general manager and technical director, Transcendent Internet Network Technology Co., Ltd.
2018 - 2019	Chief Technical Officer, Education Technology Company

Other Experience and Professional Memberships

Honors

C. Contribution to Science

D. Additional Information: Research Support and/or Scholastic Performance