

JIANHUA MAO

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FAYETTEVILLE, ARKANSAS 72701
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OBJECTIVE

- A full-time position in the fields of electrical engineering or computer science, using my academic backgrounds and my exceptional skills in these two areas.

EDUCATION

UNIVERSITY OF ARKANSAS

FAYETTEVILLE, AR

- M.S. E.E, Expected Graduation: December 2003 GPA: 3.7

Relevant Courses:

Electronics II	Introduction to IC Design
IC design lab I	IC design lab II
Software Engineering	Artificial Neural Networks
Silicon VLSI Technology	Analog IC Design
Electromagnetics.	
Mixed-signal Circuit Modeling and Simulation	

TSINGHUA UNIVERSITY

BEIJING, CHINA

- B.E. in Computer Technology and its Applications GPA: 3.3

EXPERIENCE

July 2001
to present

University of Arkansas
Dept. of Electrical Engineering
H. Alan Mantooth, Ph.D., P.E.

Fayetteville, Arkansas

GRADUATE RESEARCHER

DARPA Project:

Apply Artificial Neural Networks to implement data compression and approximation, which automatically generates parameter value for the relevant analog, digital and mixed signal models.

Paragon Project:

Working on research of Electrical Design Automation (EDA) software system called Paragon, which allows a user to automatically generate VHDL-AMS or Virtual Test Bed (VTB) source code from a graphical interface available for Windows and UNIX based systems. (Creation, testing and validation of HDL-based models.) I am in charge of the Equation Plotting Tool which is a graphic model visualization module to manage waveform and plot.

August 1998
to June 2001

Tsinghua University
School of Information Science
& Technology

Beijing, China

NETWORK ASSISTANT ADMINISTRATOR

Performing the foundation and maintenance of the school's official Web Station.

**May 1994 to
July 1998** **China Business Network Co., Ltd.
Research & Development Department** **Beijing, China**

SYSTEM ENGINEER
Network based system integration.

**May 1992 to
May 1994** **LINK Network Technology Ltd.
Technology Department** **Beijing, China**

TECHNICAL SUPPORT ENGINEER
Custom support services on network and communication products.

**January 1991
to April 1992** **Beijing Medical Equipment Institution** **Beijing, China**

ASSISTANT ENGINEER

SKILLS

- Operation system: UNIX, Linux and Windows.
- Software: Mentor Graphics IC Design Tools, VHDL-AMS, PSPICE, Saber and Matlab.
- Programming: Visual Basic, C/C++, Java, Python and HTML.
- GUI development.
- Integrated circuit design and simulation

References are available upon request