

WENJING JIN

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EDUCATION & HONORS

University of Cincinnati	2010~now
Ph.D. student in Department of Mechanical Engineering	
Huazhong University of Science & Technology, China	2004~2008
Bachelor of Engineering in Automation, Department of Control Science & Engineering	
Self-improvement Scholarship of HUST	2005~2007
Honor of Excellent Graduate Student & Excellent Graduate Thesis	2008
Certificates of National Computer Rank Examination -- C language, Database Technology, China	
Certificate of Computer and Software Technology Proficiency Software Designer, China	

WORK & RESEARCH EXPERIENCE

Work Experience

Engineer in Beijing Tashan Precision Mechanical Company, China **12/2008~06/2010**

- Cooperating to work on using Siemens PLC programming for the process controlling of the liquid level and temperature in aseptic filling machines
- Responsible for the circuit design connecting each part of the system

I.E. engineer in Ramaxel Technology Company Shenzhen, China **07/2008~10/2008**

Participated in the RAM design and manufacture (I.E.: Industrial Engineering)

The Development of Algorithm on Image Processing

Development of a Class of Image Recognition System (my graduate thesis) **01/2008~07/2008**

- Designed a system of automatic tool-mark detection for a specific field based on Visual C++ to increase the detective precision
- Applied mainly pattern recognition and texture analyzing algorithms to image processing for the specific tool marks
- Utilized the algorithm of gray-level co-occurrence matrix (GLCM) after comparing various methods, and simulated the detection in Matlab[®]

System and Control Projects

Real Time Self-learning Logic Control of Temperature in Furnace **09/2007~12/2007**

- Research Assistant in Intelligent System and Control Institute, HUST
- Simulated the real-time display for temperature in labwindows/CV
- Made some improvements to the self-learning control method through using Fuzzy Neural Network control to modify Gain to compensate the output errors

PID controlling algorithms for the Temperature Controlling System

04/2007~07/2007

- Fulfilled the signal collection while filtering and controlling in assembling language with 89C51.

Fuzzy Control on Washing Machine Models

03/2007~05/2007

Applied Verilog HDL to designing intelligent control of washing machine models, and simulated the fuzzy control in Matlab[®] to accomplish the model's fuzzy controlling

Software Design Projects

Laboratory Equipment Management Information System (MIS)

09/2006~10/2006

- Successfully designed MIS for Laboratory through using Delphi while cooperating with classmates
- Worked as an System Analyst to make the software framework for the MIS, and then took charge of software testing
- With an excellent work in the design, I joined the team work of website design for the MIS of Changsha Custom in Hunan Province, China.

SKILLS & SOCIAL ACTIVITIES

Skilled at software in engineering:

Protel 99 SE, Pspice, Auto CAD; assemble language, C language, VC++ & MFC;
Delphi, PHP, SQL server 2000; Matlab & Simulink, MaxplusII

Journalist in the Student Association Union, HUST

10/2004~03/2005

Assistant of president, Supervisor of Activity Dept. in English Association

04/2005~04/2006

Tutor for junior school students

11/2005~06/2006