

Eric You Xu

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Education:

Washington University, St. Louis, MO
D.Sc. in Computer Science (expected, 2010)
Nanjing University, Nanjing, China. 2006
B.S., Information and Computational Science (honorary)
Audited most courses in Electronic Engineering and Computer Science

Skills:

Proficient in Debian GNU/Linux, Python, Java, C++, L^AT_EX.
Familiar with Matlab, sed, awk, lex, yacc, AMPL

Publications and Patents

1. **You XU**: A gradient based ELM algorithm in regressing multi-variable functions, International Symposium on Neural Networks (ISNN 2006, acceptance ratio $\approx 25\%$)
2. **You XU** and Yang SHU: A PSO-ELM algorithm and its application in prediction problem, International Symposium on Neural Networks (ISNN 2006. Got double excellent comments from anonymous reviewers)
3. **You XU**: A virus propagation model in the LAN environment, Publication of Mathematics Department, Nanjing University. B1, 1(2004)
4. Yixin XU and **You XU**: A novel wireless communication protocol via low-end meters. China Patent. Tracking No. 200610037893.2 and 200620068852.5.

Conferences:

1. The Symposium of Algebra, Number Theory and their Applications in Communication, Changshu, 2005. (Organized by National Mathematical Society of China, the only undergraduate student)
2. International Symposium on Parallel and Distributed Processing and Applications (ISPA'2005, Nanjing, China)--Applications and Economics of Peer-to-Peer Systems (AEPP) workshop.
3. International Symposium in Neural Networks (ISNN' 06, Chengdu, China)

Eric You Xu

Achievements as a student:

1. Ranked the 1 over 35 (major) & 7 over 300+ (overall) in Graduate Entrance Examinations of Peking University (Major: Bioinformatics). Apr., 2006
2. Best Undergraduate Paper Award, Nanjing University. July, 2006

Work and Internship:

- Student Internship. 04-07/2006.
SIEMENS Program and System Engineering SRL, Nanjing, China
Took charge with UI design (JSF) and message sending in an inner project.
- Invited Software Engineer. 12/2004- 02/2005
Hengxin Instrument and Meter Co., Ltd. Yangzhou, China
Co-oped with local engineers. Developed Distributed Information Collection System based on Linux and SSL, some parts of this work are protected under Chinese patent.
- 04-05/2004
Nanjing University
Co-oped with a classmate. Developed Simulated Stock Exchange System (SSES) for our university. This system still runs on the network of our university robustly.

Interviews

1. 12/2005 Job offer from *Microsoft* (*MSN* China)
Software Engineer in Testing, *MSN* Shanghai.
Do not like the city of Shanghai very much, withdrew the offer.
2. 04/2006 Interview with *Google*.
Passed all the rounds and talked with Kaifu Lee in Beijing *Google* HQ.
As chose WUSTL, terminated consequent processing.

Current Researches

1. Large scale non-linear programming based on partitioning.[After my advisor].
The aim of this research is to develop a general solver which can be equipped on NEOS Server of Optimization.
2. A practical study about graph partitioning based on Stanford Graphbase and real world non-random graphs. [An interest of my own]

Current Toy Projects

1. A visual arXiv system (read paper on line)
2. AMPL parser and NL file reader