

Chong (Charles) Zhang

Electronics Visualization Laboratory

University of Illinois at Chicago

Email: charles@evl.uic.edu

Tel: 312-966-3002 (Office)

Fax: 312-413-7585

Homepage: <http://www.evl.uic.edu/charles>

Objective

- ◆ Internship in Summer 2003

Education Background

- ◆ Aug. 2000 – Present
Ph.D. Candidate, Department of Computer Science, UIC
- ◆ Sep. 1997 - Jul. 2000 M.S.
Department of Electrical and Computer Engineering, Wuhan University, P. R. China
- ◆ Sep. 1993 - Jul. 1997
B. S., Department of Electrical and Computer Engineering, Wuhan University, P. R. China

Professional Experience

- ◆ Research Assistant, Half time, Electronic Visualization Laboratory, University of Illinois at Chicago
 - ◆ Aug. 2002 - Present, LamdaRAM - Optically Connected Memory Cache
 - ◆ Aug. 2001 - Present, TeraScope - A Massively Parallelized Visualization Toolset for Visual Data Mining
 - ◆ Aug. 2000 - Jul. 2002, TeraScope - Content Based 3D Information Retrieval
- ◆ Researcher: full-time intern at Bohr. Technology Group, Beijing
 - ◆ Aug. 1999 - Sep. 1999, WebGIS: Design of Framework and Application for GIS over Web
 - ◆ May. 1999 - Aug. 1999, Automatic Analysis of EBSP (Electron Back Scattered Pattern)
 - ◆ Aug. 2000 - Jul. 2002, TeraScope - Content Based 3D Information Retrieval
- ◆ Research Assistant: half time at Image Processing Laboratory, Wuhan University
 - ◆ Oct. 1999 - Apr. 2000, Network Oriented 3D Image Visualization
 - ◆ Jan. 1999 - May 1999, High-speed Intaglio Printing Automatic Controller
 - ◆ Jul. 1998 - Dec. 1998, Medical Image 3D-Reconstruction System
 - ◆ Feb. 1998 - Jul. 1998, Medical Image Processing Toolkit
 - ◆ Jun. 1997 - Oct. 1997, Decision Support System (DSS) in Hospital Information System (HIS)

- ✚ Computer Skills
 - ⊕ Operating Systems : DOS, Windows 95/98, Windows NT, Linux, Unix
 - ⊕ Programming Languages: Assemble, C/C++, Java, Pascal, Fortran, HTML, Visual Basic
 - ⊕ Networking: Maintenance of LAN network, TCP/IP, Client/Server programming, CGI programming
 - ⊕ CASE Tools: Rational Rose
 - ⊕ Graphing Tools: OpenGL, DirectX, VRML, Java3D, VTK
 - ⊕ Database Systems : MS-SQL, Sybase, Oracle
- ✚ Honors & Awards
 - ⊕ 2000 – Present
Research Assistantship Granted by EVL
 - ⊕ 2000
Honored Graduate and Excellent Master Thesis Defense
 - ⊕ 1997-2000
Graduate Assistantships (Research Assistantship and Teacher Assistantship) by Wuhan University
 - ⊕ 1997
Graduated Summa cum Laude
 - ⊕ May 1996
First Class Prize in the 18th Wuhan University Computer Programming Contest
 - ⊕ 1995 – 1996
Li Cai Scholarship
 - ⊕ Jul. - Sep. 1995
Excellent Student in Social Work at Wuhan University
 - ⊕ Apr. 1995
Second Class Prize in the 17th Wuhan University Mathematics Contest
 - ⊕ 1994 – 1995
People's Scholarship, Wuhan University
 - ⊕ 1993 – 1994
People's Scholarship, Wuhan University
- ✚ Publications
 - ⊕ Chong (Charles) Zhang, Jason Leigh, Thomas A. DeFanti, Marco Mazzucco and Robert Grossman, TeraScope: Distributed Visual Data Mining of Terascale Data Sets over Photonic Networks, Journal of Future Generation Computer Systems (Accepted)
 - ⊕ C. Zhang, H. Xu and M. Liao, Database Storage and Query in PACS, Chinese Medical Imaging Technology, Supplemental Issue, China, 2000
 - ⊕ W. Yang, H. Xu, T. Shen, C. Zhang and M. Liao, Implementation of White Board in CSCW, Application Research of Computer, Vol 15, No. 6, China, Jun. 1998
- ✚ Presentations / Demonstrations
 - ⊕ The demo of TeraScope v2.0 on Conference of SuperComputing 2002, Nov.

2002, Baltimore at Maryland, USA

- ⊕ The demo of TeraScope v2.0 on Conference of iGrid 2002, Sep. 2002, Amsterdam, Netherland

- ⊕ The demo of TeraScope v1.0 on Conference of SuperComputing 2001, Nov. 2001, Denver at Colorado, USA

✚ Activities

- ⊕ IEEE Student Membership

- ⊕ Chairman of Department of Electrical and Computer Engineering Branch of Wuhan University Graduate Student Association

✚ References

- ⊕ Available upon request