

Chengcheng Hu

Curriculum Vitae



Personal Information

Dept. of Computer Science, Zhejiang University
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Email: rex0073@hotmail.com Sex: Male

Fields of Interest

Computer Graphic:

Computer Graphic, CAD (Computer Aided Design).

Bioinformatics:

Bioinformatics Data Mining and Visualization

Academic Background

M.S. Candidate, Computer Science, Zhejiang University, Hangzhou, China, 2004 to present.

Expected Graduation Data: March, 2006

Research Area: Bioinfomation Visualization, Computer Graphic, CAD (Computer Aided Design).

Advisor: Prof. Xiuzi Ye¹

B.S. Computer Science, Zhejiang University, Hangzhou, China, 2000-2004

Thesis: "Hexahedral meshes Generation and Application"

Undergraduate Research: CFD (Computational Fluid Dynamics), CAE (Computer Aided Engineering).

Advisor: Prof. Sanyuan Zhang.

Academic Experience

Research Assistant

CGIM Laboratory, Dept of Computer Science, Zhejiang University.

Project Leader: QTLNetwork Software Development²

This Project is cooperated with Institute of Bioinformatics³, Zhejiang University, China.

Date: 2005-2 to 2005-10.

Design and Develop the part of Bioinformatics Visualization with VTK (Visualization Toolkit).

Design the architectural system of the whole software.

Develop the part of user-interface.

¹ Personal WWW Introduction: <http://deslab.mit.edu/DesignLab/people/Xiuzi.html>

² More information about this software: <http://ibi.zju.edu.cn/software/qtlnetwork>

³ More information on this website: <http://ibi.zju.edu.cn/>

Debugging and testing.

Project Leader: CFD (Computational Fluid Dynamics) Simulation Software Development

This Project is cooperated with Technical Centre of BAO SHAN IRON&STEEL Co., Shanghai Baosteel Group Corporation⁴.

Date: 2004-3 to 2004-12.

Create a special algorithm of hexahedral meshes generation for practical requirements.

Design and Develop the part of Hexahedral meshes Generation.

Design the architectural system of the whole software.

Develop the part of user-interface.

Team member: 3D Modeling Platform Based On CGIMLab Software Development

Date: 2005-3 to 2005-5.

Participate in the design of the whole software.

Participate in developing the part of user-interface.

Course Project and Research

Reconstructing and Rendering 3D Model based on Sketch.

Implementing Computer animation of explosion based on Bezier curve.

Implementing the Shading model of Gourand and Phong smoothing.

Publication

I am the first author in one paper and co-author in other two papers. My topic focuses on Bioinfomation Visualization and Quantitative Trait Expression. These papers will come out soon.

Researching skill

Programming Languages: Proficient in C/C++; Familiar with TCL and Java.

Programming tools: Proficient in VC/MFC; Familiar with QT.

Graphic lib and tools: Proficient in VTK (Visualization Toolkit) and OpenGL.

Honors & Awards

Academic Scholarship for Excellent Graduate of Zhejiang Univ, 2005

Excellent Graduate Thesis for Undergraduate of Zhejiang Univ, 2004

Excellent English Scholarship for Undergraduate of Zhejiang Univ, 2002

Academic Scholarship for Excellent Undergraduate of Zhejiang Univ, 2001-2002

English Level

TOEFL: 643(62/67/64), TWE: 5.0, taken on May, 2005

GRE: 1270(V: 470, Q: 800), AW: 5, taken on Oct, 2004

⁴ the biggest steel company in China, one of World Top 500.