

Zigang XIAO

Curriculum Vitae

Dept. of Computer
Science & Engineering
The Chinese University
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Education

- 2008/8-(now) **MPhil Program**, Department of Computer Science & Engineering, THE CHINESE UNIVERSITY OF HONG KONG(CUHK), Shatin N.T., Hong Kong.
- 2004/9-2008/7 **BSc Program**, Department of Computer Science, School of Information Science & Technology, SUN YAT-SEN UNIVERSITY(SYSU), Guangzhou, China
[GPA:3.9/4.0, Ranking: 1/196]
- 2007/1-2007/6 **Exchange Program**, Department of Computer Science & Engineering, THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY(HKUST), Clear Water Bay, Hong Kong
[Cumulative GPA:A-, Awards: Dean's List]

Research Interest

- VLSI CAD, Physical Design, Routing
- Operating system
- Programming Language

Academic Awards

- 2008, Outstanding Graduate, SYSU
- 2008, Excellent Graduation Thesis, SYSU
- 2008, First place in Guangdong Computer Programming Contest(GDCPC' 2008), Guangdong Computer Federation
- 2008, First place in ZSU Computer Programming Contest(ZSUCPC' 2008), SYSU
- 2007, First place in Academic Excellence Award, SYSU
(Academic Scholarship for students achieved School top 5%)
- 2006, First place in Academic Excellence Award, SYSU
- 2005, First place in Academic Excellence Award, SYSU
- 2006, Third place in ZSU Computer Programming Contest(ZSUCPC' 2006), SYSU

Languages

Cantonese **Native**
Mandarin **Native**
English **Fluent, CET-6, SET**
TOEFL(iBT) **Total:108**

(Listening:29 Reading:29 Speaking:22 Writing:28)

Experience

Teaching

Fall Semester, 2008 **Course Tutor**, CSC & CEG 3150, Introduction to Operating Systems, CSE dept., CUHK, Instructor: Dr. WONG Tsz Young.
Conduct course tutorials, take charge of the course project: Implementation of FAT32 filesystem

Spring Semester,2009	Course Tutor , <i>CSC 4430, Data Communication and Computer Networks</i> , CSE dept.,CUHK, Instructor: Dr. WONG Tsz Young. Conduct course tutorials, take charge of the course project
	Research
2007/10-2008/5	Project member , <i>CS lab</i> , SYSU, Supervisor: Dr. Lin Xiaola. High performance computing and cluster building. Later it was used to finish my graduation thesis.
2007/1-2007/5	Research Group Member , <i>Software Lab</i> , SYSU, Supervisor: Dr. Zhou Xiaocong. Analyze the feasibility and complexity of using AOP in Algorithm Demonstration(AD) program and compare it with traditional OOP-style AD
	Internship
2007/7-2007/8	System & network administrator , <i>Feiteng Corporation</i> , Shaoguan. System & network maintainence.
2008/3-2008/6	Software Designer , <i>Ericsson Mobile Data Applications Technology Research and Development(Guangzhou) Co., Ltd. (CGC)</i> , Guangzhou. Research of PKI/CA system. Prototype design.
	Graduation Thesis
2008/1-2008/5	Principle, Design and Implementation of Distributed Ray Tracing . Uses a cluster system to implement distributed ray tracing and make performance analysis.
	Extracurriculum
Summer,2006	Team Leader , <i>Alumni Association</i> , SYSU. Interview the distinguished graduate alumni in China. Deliver the greeting message from alumni association and unite all the alumni around. Photos,video clips and articles were made and submitted to be demonstrated in alumni party
Core Member	The PC Technique interest Group , <i>SYSU</i> .
Core Member	Student Association , <i>SYSU</i> .

Computer Skills

- Strong algorithm and analysis as well as data structure knowledge. Fine programming style.Insight of OOP.
- Master with C/C++/Java design, coding and debugging.
- Substantial knowledge of compiler construction,finite automata theory. Good knowledge ofJFlex/flex and JavaCUP/yacc.
- Good Python programming skills, proficiency in 80x86 assembly language.
- Knowledge of C developing, system programming, shell scripts and platform applications under Linux.
- Experienced with network programming under Windows/Linux and C/S structure software design.
- Well-learned computer graphics and corresponding math knowledge. Master with OpenGL and its platform independent library, GLUT. Abundant developing experience.
- Experienced with IDE/compiler such as Netbeans, Eclipse, VC++, gcc, etc.
- Be familiar with SQL. Experienced with ERD database design and operating experience of Oracle 10g administration.
- Be familiar with Win32 API,MFC application development. Abundant GUI design experience of GDI/GDI+/Swing.

Interests

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| ○ Basketball | ○ Swimming |
| ○ Guitar | ○ Reading |
| ○ Movies | ○ Travelling |