

## EDUCATION

- 08/2006 - 12/2007      **University of Southern California**      Los Angeles, U.S.A.  
M.S. , Electrical Engineering (Multimedia & Creative Tech)  
GPA: 3.68/4.0
- 09/2002 - 06/2006      **Sun Yat-sen (Zhongshan) University**      Guangzhou, P. R. China  
B.S. , Electronic Information Science and Technology  
GPA: 3.4/4.0      Class Rank: Top 9% (ranked 11 out of 120 students)

## EXPERIENCE

### **Individual Programming Projects**

- Multimedia Data Compression, Video Game Application, Image Enhancement, Image Noise Removal, Image Texture Analysis & Segmentation, Edge Detection, Morphological Processing, Digital Halftoning, Optical Character Recognition, Audio Mixing, Object Recognition, etc.
- Visit [www-scf.usc.edu/~zhangxia/vitroz.html](http://www-scf.usc.edu/~zhangxia/vitroz.html) for more information.

- 08/20/07-10/01/07      **User Room Operator**, USC Information Technical Services (ITS)  
➤ Manage Equipments, Troubleshoot PCs, Macs and SUNs  
➤ Customer Service
- 04/01/07-05/30/07      **Project Assistant**, Biofriendly Corporation  
➤ Arrange the trip for the test project in Shanghai, China  
➤ Collect Data, Create/Edit Spreadsheet, Translate Documents, Presentation Interpretation  
➤ Build the Chinese Website for Biofriendly Corporation
- 02/01/07-05/30/07      **Student Worker**, Professor Colin Hill  
➤ Collect Information, Write Reports  
➤ Translate Documents
- 10/2005-04/2006      **Project Assistant**, Dept. of Electronics and Communication Engineering, Sun Yat-sen University  
➤ Work on the project *Development of Polar Modulator for EDGE Sets*  
➤ Take notes for different simulation results and proof-testing them  
➤ Find and translate relevant articles
- 10/15/04-10/25/04      **Intern**, Network Department of the 96<sup>th</sup> Guangdong Commodities Fair  
➤ Take charge of the computer network service: setting the network; solving network problems  
➤ Manage communication equipments such as IP Phones, Public Computers  
➤ Manage computer equipments

## AWARDS & HONORS

- 2005      Outstanding Student Scholarship of Sun Yat-sen University  
2004      Outstanding Student Scholarship of Sun Yat-sen University  
2003      Outstanding Student Scholarship of Sun Yat-sen University

## ACTIVITIES & MEMBERSHIPS

- 09/2003 - 06/2004      Director of Public Relations Dept. of IBM Club, Sun Yat-sen University  
10/2002 - 06/2004      Director of Foreign Language Association, Sun Yat-sen University

## SKILLS

**Operating System:** Experienced in UNIX, Windows 9X/NT/XP, Mac OS;

**Software:** Experienced in MATLAB, Visual C++, MySQL, XMLSpy, Emacs, Pine, Audacity, GCC; Familiar with Photoshop

**Programming Language:** Experienced in C/C++, MATLAB, OpenCV, SQL, HTML, XML; Familiar with Java, JavaScript

**Data Compression/Coding Technique:** Huffman, LZW, Run-length, QM, Quantization, JPEG, MPEG

**Language:** Fluent in Chinese (Mandarin/Cantonese), English