

Weiwei Liu

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Education

- **Master of Computer Science** **05/2002**
Loyola University of Chicago, Chicago, IL
- **Master of Fishery Science** **06/1998**
Shanghai Fisheries University, Shanghai, China

Professional Experiences

Research Specialist (Programmer & Data analyst) **05/2006 – Present**
Quantitative Fisheries Center, Michigan State University, East Lansing, MI

- Server maintenance (Linux and Win2K), network backup setup and system security update and troubleshooting, install and update software
- Software development, modify MUSTR model by using VB.net 2003, GUI interface design(VBA) and database design(Access) for Ontario Lake decision analysis model
- Modify online lab truck reservation system written in ASP, maintain GLPD and QFC web site

Research Assistant (Data analyst) **01/2003 - 05/2006**
Parmlly Hearing Institute, Loyola University Chicago, Chicago, IL

- Update 3 software programs written in Pascal to Delphi, which use the Tucker-Davis system. These programs would be used for neuroscience undergraduate lab and research purpose
- Wrote programs in Matlab for experimental data analysis
- Conducted fish behavior (fish lateral line) research
- Update and maintenance software such as Videum, Te analysis

Instructor **08/1998 – 08/2000**
Department of Marine Fishery, Zhanjiang Ocean University, Zhanjiang,Guangdong

- Teach two courses for undergraduate of fishery science: Fishery Stock Assessment and Management, Fishery Biology
- Create programs using C or Pascal for the population simulation
- Participate in a project sponsored by Educational Committee of ZOU in 1999, Using multimedia in teaching Ichthyology. Mainly responsible for image process, design layout by using Authorware4.0 and VB, 3D studio series.

Research Assistant**07/1992 - 08/1995****Department of Marine Biology, Ocean University of Qingdao, Qingdao, Shandong**

- Conduct research on goldfish hearing
- Experimental live animal care
- Lab order and maintenance

Technical Skills

- SUN certified java programmer
- SUN certified web component developer
- Database design and management: Oracle, mySQL, Access
- Programming language: Java, C/C++, VB.net, Pascal and Delphi
- Web development: DHTML, JavaScript, JSP and ASP, EJB and Applet
- Data analysis: Generalized linear model, mixed effect, factor analysis, PCF, categorical analysis, path analysis and cluster analysis, population dynamics modeling
- Statistical software: SPSS, SAS, Minitab, Matlab, Statistica and Lisrel

Publications

- Liu Weihai and Zhan Bingyi, the dynamic analysis on the fishery stocks in the East China Sea, *Journal of Shanghai Fisheries Univ. 1999, Vol. (8), No.(1) : 37-41*
- Liu Weihai and Zhan Bingyi , analysis on the current exploitation of *Pseudosciaena Polyactis*. in the East China Sea, *Journal of Shanghai Fisheries Univ. 1999, Vol.(8), No.(2) : 105-111*