

Yuchuan Liu

Computer School of Wuhan University, Wuhan, 430072, P.R.CHINA
bjtlyc@gmail.com • +86-15072429410

OBJECTIVE

Master. degree in Department of Computer Science

EDUCATION

Wuhan University, Wuhan, P.R.China

B.S.-Computer Science & Technology, Sep. 2008, **Last Two Years GPA:3.76**

- *Scholarship: People's Scholarship, to top 10% of all college students, three times(2008,2009,2010)*

RESEARCH EXPERIENCE AND INTERNSHIP

Research Assistant, Web Data Management Lab, Wuhan University (June 2009-Jan. 2010)

- Principal research focus on the development of a management, development and administration tool for PostgreSQL
- Designed and implemented the User Interface using C++\MFC.
- Principal research focus on the development of a safe spatial geographic data transaction platform.
- Designed and implemented a spatial geographic data watermarking attack platform, including implementing three types of attacking methods(rotation, translation, zoom) based on ArcGIS and one watermarking embedded algorithm based on Hilbert Code.

Research Assistant, Computer New-Tech Lab, Wuhan University (Jan. 2010-June 2010)

- Principle research focuses on the improvement of reconstruction methods for super-resolution image.
- Studied how to use Contourlet transform to implement feature extraction and texture classification.

Test Engineer, ZouXiu Network Technology Corporation (July 2010-Sep. 2010)

- Conducted functional testing for OPENXIU2.0 project.
- Independently in charge of the test work for product center and resource center.

Volunteer, Hesheng School (July 2011-Sep. 2011)

- Established a network for the school. Responsible for management and maintenance of the network.
- Gave class in C programming for over 30 adult students.

ACADEMIC EXPERIENCE

Principle of Compiler (2011)

- Designed a simple compiler that can handle associativity and precedence of basic operators and can generate jumping code for Boolean expression using C.

Embedded System (2010)

- Programmed a Linux driver for UP-NetARM2410-S with GPRS and GPS module to implement the function of sending information of position to cell phone. Studied: critical sections, semaphores, interrupts, I/O buffers.

Object-oriented programming (2010)

- Developed a Instant Messenger(IM) based on TCP protocol using multi-thread technology by JAVA. Implemented functions like chatting, file transfer and sending window shaking.

Design of Large Scale Application Software (2010)

- Developed a library management system based on MySQL. Used UML in the process of the system design.

Operating System Design(2010)

- Implemented the process scheduling using FIFO and Priority-based algorithms in both array and link. Implemented the memory management using First Fit and Bitmap.

HONORS & AWARDS

- Excellent Student of Wuhan University(2008,2009,2010), for top 5% students of the college.
- Excellent League Member of Computer School, Wuhan University(2010)
- Activist of Social activities in Wuhan University(2008,2009)
- Member of Excellent Team for Summer Social Practice in Wuhan University(2009)
- Excellent Prize of the 4th Eming Cup Wuhan University Programming Contest(2009)
- Excellent Leader of Wuhan University(2009)
- The Highest Honor in the Physical Training(2008)

ENGLISH PROFICIENCY

GRE: Verbal: 600(86%) Quantitative: 800(94%) Analytical Writing: 3(11%)

TOEFL: Reading: 30 Listening: 22 Speaking: 23 Writing: 24 Total: 99

EXTRACURRICULAR ROLES

Vice Minister of Public Relations Department, Students Union, School of computer, Wuhan University(2008-2009)

- Successfully raised over ¥ 10,000 sponsors with colleagues for the campus activities in Computer School.
- Organized 2009 ACM/ICPC Asia Wuhan Regional Contest.
- Organized 2009 Dress Competition of WHU Golden Autumn Cultural Festival and won Second Prize.

Class Representative, grade 2008, Wuhan University(2009)

Team leader of WHU Summer Social Practice team(2008)

Core Member of football team in Computer School

Member of Street Dance Club

SKILLS

- Programming Language: C/C++, JAVA, SQL, HTML
- Hardware: Verilog, Assembly
- Tools: Matlab, GIT, LaTeX, Eclipse, Visual Studio, gdb
- OS: Windows, Linux, Embedded System(ARM based)