

# MAOCHUN QIN, M.S, MD

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## OBJECTIVE

To obtain a software engineer position that utilizes my extensive experience in computer Science, quick learning, strong problem solving ability, and excellent interpersonal skills. My considerable clinical practice experience makes me perform effectively even under significant pressure..

## TECHNICAL SKILLS

- C/C++, Microsoft Visual C++, Java, Microsoft Office, Photoshop 9.0, Canvas 9.0
- Web programming: HTML/XML, JavaScript, PHP, Java Servlet, Tomcat , Netbeans
- Networking: TCP/IP, UDP, Sockets/Client-Server Programming
- Database system: PL/SQL, Oracle 9i, JSP, JDBC, Microsoft Access, MySQL
- Platforms: Unix(Linux), Windows XP/2000/98

## PROFESSIONAL EXPERIENCE

**Optical Mapping lab, Pharmacology Department** 2/2005 - Present  
**SUNY Upstate Medical University**

### Research Specialist, Web Site Manager

- Developed bioinformatic technology to identify binding motifs of unknown transcription factors, built a dynamic web page to display gene information (Java, JDBC, PHP, MySQL, XML)
- Administrating the lab web site (JavaScript, PHP )

**SUNY Binghamton University** 2002 - 2005

### Teaching Assistant, 9/2003 – 12/2003

- Assisted the professor in a Database course. (Java, oracle, JDBC, Unix System)
- Graded test and assignments. Provided instructions in finishing course projects.

### Selective Projects, 2002 - 2005

- MS degree termination project: built a high coverage, high retrieval effectiveness medical/health meta-search engine prototype system. This System can do query expansion, construct user's profile and provide services for them by email. (Java, Java Servlet, JSP, Tomcat, HTML, JavaScript, XML, Microsoft Access, Microsoft Excel).
- Information Retrieval course project: developed a text retrieval and database search engine system. The system supports similarity based retrieval of text.(Java, JDBC)
- Database System course project: developed a course registration system in a university (Java, JDBC)

**Dr. Andrzej krol's lab, Department of Radiology** 6/2003 – 9/2003  
**University Hospital, SUNY Upstate Medical University**

### Research Summer Intern

- Implementation of 3D reconstruction in cone beam CT (C, Unix platform)

**Dr. Khan's lab, Department of Biochemistry** 6/2002 ---9/2002  
**SUNY Upstate Medical University**

## Summer Internship

- Web Administrator (HTML, JavaScript)

## Department of Orthopedics The Third Hospital, Beijing Medical University

9/1995—11/2000

Attending Doctor, 8/1998—11/2000

Resident Doctor, 9/1995—7/1998

## EDUCATION

SUNY Binghamton University 1/2005  
Master of Computer Science.

Beijing Medical University 7/1995  
Master of Medicine (Surgery)

Beijing Medical University 7/1993  
Bachelor of Clinical Medicine (equivalent to M.D. in USA.)

## RELEVANT COURSES

- Operating Systems( C , Unix platform)
- Computer Organization and Architecture
- Programming Languages
- Object oriented Design and Programming in C++
- Design & Analysis of Computer Algorithms ( C & C++, Unix platform)
- Computer Graphics (C++)
- Image Processing (C++)
- Computer Vision(C++)
- Database System ( Oracle, Unix platform, Java, JDBC)
- Information Retrieval (Java, JDBC)
- Data Mining (Java, JDBC)

## AWARDS

Scholarship of a TA position , SUNY Binghamton University 9/2003 – 12/2003  
The Honor of Excellent Teacher, Beijing Medical University 9/1999  
First Class Scholarship, Beijing Medical University 1988 – 1995

## PUBLICATIONS

1. Maochun Qin, Zhi Wang, Wenyu Zhu. Effect of arginine on insulin release and nitrite production in rat pancreatic islets. Science Bulletin, 39(20):1730-1733 1994
2. Zhi Wang, Shengqian Wu, Maochun Qin, WenyuZhu. Amylin enhances glucose-stimulated insulin release from neonatal rat pancreatic islets. Chin. J. Physiol Sci, 11(1):46-50, 1995
3. Maochun Qin, Mai Li, QinLin Cai. The content of lipid peroxides in CSF before and after operation in patients with chronic compressive cervical myelopathy. Chinese Journal of Spine and Spinal Cord. 1997, 7(5): 202-204

## REFERENCE

Available upon request