

- Researched the implemented digital watermark. Advisor: Prof. Bingfa Li
- **International Programming Contest Coach**, *Dec. 2001 – Jul. 2002*
 - Trained contestants for ACM International Collegiate Programming Contest.
 - Hosted programming contests of Sichuan University.
- **International Programming Contestant**, *Mar. 2000 – Nov. 2001*
 - Participated in the 26th ACM International Collegiate Programming Contest, Asia Regional Contest, Shanghai, 2001.
 - Systemically trained in computer programming, algorithms, modeling, simulating, combinatorics, graph theory, number theory, etc.
- **Programmer** , *Jul. 1999 – Mar. 2001*
 - Developed the information system for the government of Chengdu City.
 - Developed the student management system for Dept. of Computer Science.
 - Designed and developed *Lighteyes.net* website.

PROJECTS

- **Tribler Project:** Tribler (www.tribler.org) is a BitTorrent-like P2P system for file sharing and video streaming. It has a basic understanding of human friendships, of user tastes in content, and of Internet connectivity between users. I am one of the main developers and focusing on the P2P infrastructure and recommender system.
- **Tag-based Collaborative Filtering:** Studying tag-based collaborative filtering algorithms for recommendation systems using statistical inference and models.
- **Master Project:** automatically partitioning and replicating databases for web applications based on cluster analysis and machine learning methods. It is a part of Globule project, a P2P Content Delivery Networks.
- **Operating System:** programming to upgrade the kernel, memory management and file system of the Minix operating system.
- **Web-based Knowledge Representation:** using XML, XSL, RDF, OWL to build a semantic based website.
- **Object-Oriental Programming:** using Java, JSP and design patterns to build an online program contest and judge system.
- **Machine Learning:** using machine learning methods to filter out spam e-mails.
- **Multimedia Authoring:** using Prolog, VRML and JavaScript to build a 3D Virtual Community.

PROFESSIONAL SKILLS

- Extensive experience in writing complex programs using Python, Matlab, C/C++, Java and Prolog. Experience with high-level application programming, such as parallel and distributed computing, networking, artificial intelligence, databases on various platforms. Experience with kernel programming on Unix systems.
- Proficient at various kinds of programming strategies, algorithms and data

structures. Solid background in mathematics, statistics, operation research, modeling and simulation.

- Strong learning capabilities in science and engineering. Enthusiastic in novel theories and technologies.
- Very good at communicating and collaborating in teamwork as well as independent working.

PUBLICATIONS

- Jie Yang, Jun Wang, Maarten Clements, Johan A. Pouwelse, Arjen P. de Vries, Marcel Reinders, *An Epidemic-based P2P Recommender System*, Workshop on Large Scale Distributed Systems for Information Retrieval (LSDS-IR) in SIGIR07, 2007.
- J.Pouwelse, P.Garbacki, J.Wang, A.Bakker, J.Yang, A.Iosup, D.Epema, M.Reinders, M. van Steen, H.Sips, *Tribler: A social-based Peer-to-Peer system*, Concurrency and Computation: Practice and Experience, 2007.
- J.Pouwelse, P.Garbacki, J.Wang, A.Bakker, J.Yang, A.Iosup, D.Epema, M.Reinders, M. van Steen, H.Sips, *Tribler: A social-based Peer-to-Peer system*, Proc. of the 5th International Workshop on Peer-to-Peer Systems (IPTPS'06), 2006.
- Yuan Yuan, Li Bingfa, Jie Yang, Ding Ying, *Extended Parallel Genetic Algorithm Based On Optimum Result Collecting*, Computer Engineering, No. 5, 2007.
- Yuan Yuan, Li Bingfa, Jie Yang, Ding Ying, Peng Daiyi, *Parallel Iterative Deepening A* Searching Algorithm Based on Mixed Load Balancing*, Computer Engineering, No 1, 2007.
- Yuan Yuan, Li Bingfa, Ding Ying, Jie Yang, *Centralized Dynamic Load Balancing Algorithm Based On RMI*, Accepted, Journal Of Sichuan University, No 6, 2006.
- Yuan Yuan, Li Bingfa, Jie Yang, Wang Yong, Zhang Jingyu, *Rotation Attack Resistant Digital Watermarking Based on Bilinear Interpolation*, Computer Applications, Vol. 24, No. 1, Jan., 2004.
- Jie Yang, Chen Junzhou, Li Bingfa, *A Wavelet Based Watermarking Scheme for information Security*, The Third International Conference on Wavelet Analysis and Its Applications, World Scientific Publishing Company, Singapore, 2003.
- Yuan Yuan, Li Bingfa, Jie Yang, *A Rotation Resistant Bind Watermark Algorithm*, Information Technology, VOL. 27, NO. 12, Dec. 2003.
- Li Bingfa, Chen Junzhou, Jie Yang, *Realization and Application of Digital Watermark*, Collection of Chinese Classic Technique Papers, 2003.
- Jie Yang, *Wavelet Transform in Image Analysis Applications*, Bachelor Thesis, Collection of Excellent Bachelor's Thesis of Sichuan University, 2002.
- Li Bingfa, Chen Junzhou, Jie Yang, Chen Yi, *Realization and Application of Digital Watermark*, Electronic Quality, 2002, (5).

HONORS AND AWARDS

- Delta Scholarship, the Netherlands, 2003, 2004
- Double Master Degree Scholarship, Vrije Univ. and Sichuan Univ., 2003
- Excellent Bachelor Thesis Award, Sichuan Univ., 2002
- Twelfth Place, Honored Award, the 26th ACM International Collegiate Programming Contest, Asia Regional Contest, Shanghai, 2001
- First Rank, the Computer Programming Contest of Sichuan Univ., 2001
- Best Creative Idea Award, the Business Plan Contest of Guoteng Cup, 2000
- Second Place, the Lecture Contest of Computer Fans Cup, 1999
- Excellent Student Scholarship of Sichuan Univ., 1999-2002

HOBBIES

Active: traveling, badminton, running, basketball, swimming, cooking

Static: history, science fiction, intelligent game, music, movie, astronomy

REFERENCES

Available upon request