

Resume

Personal Details

Name: Tsuen Wan “Johnny” Ngan Email: twngan@gmail.com
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 Los Angeles, CA 90034 Visa status: H-1B (from Hong Kong)
Languages: Fluent in English and Chinese (Mandarin & Cantonese)
Homepage: <http://www.cs.rice.edu/~twngan/>

Career Objective

To contribute my expertise in computer networking, distributed systems, and algorithms for research and development on building the “next cool thing.”

Working Experience

Symantec Corporation: Principal Software Engineer, Symantec Research Labs (2006–)

- Research on new product ideas and develop prototypes. Write papers and patents.

Amazon.com, Inc.: Software Development Engineer Intern (summer 2005)

- Research and development on optimal inventory level and optimal inventory policy.

Rice University: Teaching Assistant, Dept. of Computer Science (2001–2006)

- Taught “Introduction to Computer Networks,” “Introduction to Artificial Intelligence,” “Automata, Formal Language, and Computability,” “Operating Systems and Concurrent Programming,” and “Intermediate Programming.”

University of Hong Kong: Teaching/Research Assistant, Dept. of Computer Science (1999–2001)

- Taught “Discrete Mathematics.”

Hong Kong Government: Programmer, Drainage Service Department (summer 1998)

Education

Ph.D. (Computer Science), Rice University (2001–2006). Dissertation completed, pending defense

M.S. (Computer Science), Rice University, 2004

- Research on security and economic incentive issues in peer-to-peer systems
- Advisor: Prof. Dan S. Wallach

M.Phil. (Computer Science), University of Hong Kong, 2002

- Research on online scheduling algorithms
- Advisor: Prof. Tak-Wah Lam

B.Eng. in Computer Engineering, University of Hong Kong, 1999

- First Class Honors

Publications

Published five referred journal papers and ten referred conference/workshop papers. For a complete list of publications, please see my homepage at <http://www.cs.rice.edu/~twngan/>.

Patents

Three patents submitted (two as sole inventor) and one pending submission.

Professional Services

Reviewed papers for three journals and four conferences/workshops.

Selected Talks

- “Internal and Distributed Resource Management.” IBM Thomas J. Watson Research Center, Hawthorne, NY, May 2006.
- “Incentive-Oriented Peer-to-Peer System Design.” University of Hong Kong, Hong Kong, December 2005.
- “Scrivener: Providing Incentives in Content Distribution Systems.” *ACM/IFIP/USENIX 6th International Middleware Conference*, Grenoble, France, November 2005.
- “Scrivener: Providing Incentives in Content Distribution Systems.” Max Planck Institute for Software Systems, Saarbrücken, Germany, November 2005.
- “Enforcing Fair-Sharing of Peer-to-Peer Resources.” *2nd International Workshop on Peer-to-Peer Systems (IPTPS)*, Berkeley, CA, February 2003.

Awards

- First runner-up, 2002 CS Annual Meeting Student Poster Competition
- Rice University Graduate Fellowship (2001–2002)
- Best Tutor Award, Department of Computer Science, University of Hong Kong (2000–2001)
- The Hong Kong and China Gas Company Limited Postgraduate Scholarships (2000–2001)
- Postgraduate Studentship, University of Hong Kong (1999–2001)
- Dean’s Honors List, University of Hong Kong (1996–1997, 1998–1999)

Technical Skills

Skills: Extensive experience in C, C++, Visual C++, Java, L^AT_EX, and HTML.

Familiar with Javascript, Perl, Python, SQL, PHP, Pascal, Tcl/Tk, Visual Basic, Visual FoxPro, Lisp, PowerBuilder, and some assembly.

OS: MSDOS, Windows, MacOS, Unix, and Linux.

References available upon request