

Ken Takusagawa

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Education

Massachusetts Institute of Technology, Cambridge, MA

- S.M., Electrical Engineering and Computer Science, 2003

Stanford University, Stanford, CA

- B.S. with honors, Computer Science, 2000
- B.A., Economics, 2000
- Cumulative GPA: 3.91 / 4.0

Work Experience

- **Software Engineer and IT Professional**, Storian, 2014-2015.
- **Software Engineer and IT Guru**, Bluespec, 2005-2014.
- **Research Associate**, Professor Daphne Koller, Stanford University, 1998-2000.
- **Kitchen Manager**, Chi Theta Chi Cooperative Residence, Stanford University, 1999-2000.
- **Unix Consultant**, Stanford Distributed Computer Systems, 1997.

Skills

- Expertise in C++, C, Perl, Haskell, Linux system administration.
- Technical experience in compiler design and implementation, release engineering, network administration, FPGAs, hardware design, probabilistic inference, machine learning, web search engines, cryptography, datamining, databases (SQL, Oracle, PL/SQL, XML), distributed knowledge bases, machine vision, automated web content generation, 2D and 3D graphics, distributed computing, scientific and numerical computing, optimization, virtualization (Xen, VirtualBox).
- Also experience in risk analysis, finance, game theory, firm behavior, international economics.
- Familiar with Java, C++ Standard Template Library, Java Native Interface, Java Foundation Classes, Android development, MATLAB, CPLEX, NetPBM, Cascading Style Sheets (CSS), Tcl/Tk, Windows system administration, Mac OS X system administration, ElasticSearch, modifying the Ubuntu installer.

Publications

- "Transcriptional regulatory code of a eukaryotic genome." C. Harbison, D. B. Gordon, T. I. Lee, N. J. Rinaldi, K. D. MacIsaac, T. W. Danford, N. M. Hannett, J. B. Tagne, D. B. Reynolds, J. Yoo, E. G. Jennings, J. Zeitlinger, D. K. Pokholok, M. Kellis, P. A. Rolfe, K. T. Takusagawa, E. S. Lander, D. K. Gifford, E. Fraenkel, and R. A. Young. *Nature*, 431:99-104, September, 2004.
- "Negative Information for Motif Discovery." K. T. Takusagawa and D. K. Gifford, *Pacific Symposium on Biocomputing (PSB)*, 9:360-371, 2004.
- "SPOOK: A system for probabilistic object-oriented knowledge representation." A. Pfeffer, D. Koller, B. Milch, and K. Takusagawa, In *Proceedings of the 15th Annual Conference on Uncertainty in AI (UAI)*, Stockholm, Sweden, August 1999.

Honors

- National Defense Science and Engineering Graduate Fellowship recipient, 2000.
- Member of Stanford ACM Computer Programming Contest World team, 1999.
- Member of Stanford ACM Computer Programming Contest team, 1998.

Other Experience

- **Software Maintainer** of the Mozilla, GCC, Haskell, and Speech Tools software lockers for the MIT Student Information Processing Board (SIPB)
- **President**, MIT Lindy Hop Society, 2002-2005.