

Kevin Tew

1066 Ash Ave, Provo, UT, 84604

(801)-380-6037

kevintew@tewk.com

<http://www.linkedin.com/in/kevintew> <http://kevintew.com>

Education

M.S. Computer Science, Brigham Young University

August 2006

B.S. Computer Science, Brigham Young University

December 2001

Publications

- **Skuery: Manipulation OF S-Expressions using XQuery Techniques**, Kevin Tew, Master's Thesis, Brigham Young University, August 14, 2006
 - **Complex Performance Analysis Through Statistical Experimental Design: An Evaluation of Parameters Associated with Speed in Parallel Phylogenomics**, David G. Whiting, Quinn Snell, Rebecca R. Nichols, Megan L. Porter, Kevin Tew, Keith A. Crandall, Michael F. Whiting, Mark Clement, Hawaii International Conference on Computer Science, January 2004.
 - **A Study of the Suitability of IrOBEX for High-Speed Exchange of Large Data Objects**, Kevin Tew, D.Ryan Partridge, Joseph Ekstrom, Casey T. Deccio, and Charles D. Knutson, Globe Com 2003
 - **An Enterprise-Based Grid Resource Management System**, Quinn Snell, Kevin Tew, Joseph Ekstrom, Mark Clement, The Eleventh IEEE International Symposium on High Performance Distributed Computing - 2002
 - **A Framework for Building Reputation**, Phillip J. Windley PhD Kevin Tew, Devlin Daley, Submitted to WWW2007
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Career History

Brigham Young University, Phil Windley PhD, *Provo, UT*

July 2005-current

Graduate Research Assistant

Enterprise Computing Laboratory

- Development of Skuery (language embedded query semantics for Scheme)
- Development of Repkept a reputation system framework for Internet and digital identities.
- Substitute Lecturer for Programming Language Theory Course

Canyonbridge Inc (now renamed Bungee Labs), *Orem, U*

April 2003-July. 2005

Software Engineer / Developer

- Designed and Engineered a custom C++ persistence frame work for a AJAX rich web application framework.
- Implemented a C++ Servlet like framework called ServApp, which abstract web server interactions across Apache, IIS5 and 6, and Lotus Notes.

Brigham Young University, Quinn Snell PhD, *Provo UT*

January 2000-April 2003

Graduate and Undergraduate Research Assistant

Networking, Supercomputing, and Scientific Computing Laboratory.

- Phylogenetic Scientific Computation
- Development of the DOGMA (Distributed Object Group Meta-Computing Architecture) a high performance computing resource manager
- Linux Clusters and Non-dedicated node resource management and scheduling.
- Load balancing and switching of web services across cluster nodes.
- Substitute Lecturer for Operating Systems and Distributed Systems Courses

Lawrence Livermore National Lab, Livermore, CA

May 2002-August 2002

Graduate Summer Intern

- SLURM project development (Simple Linux Utility Resource Manger) a high performance computing resource manager.
- Design and development of a transport independent, message communications layer.
- Design and development of slurmd (Parallel task launch and IO daemon component of SLURM)
- UNIX system programming

Kenecott Energy and Campbell County School District, Gillette, WY

August 1995-December 1999

Networking Engineer/ Consultant/ College Intern

- IP LAN/WAN management of Microsoft NT and Novell Files Servers, GroupWise Administration
- Automated scripted roll out of Windows 95, Office 97 to 300+ desktops distributed across 5 geographic locations using custom tools and Microsoft SMS.
- Oracle / Microsoft SQL database synchronization, Microsoft SQL database site replication.
- Installation of Novell NDS Tree, IP client configuration, design and implementation of Library Information System.
- IP and IPX routing, DNS Configuration

The Spectra Group, Henderson, KY

May 1994-Aug 1995

Director of Technical Support

Health Care Management and Systems Consulting.

- PC system design and consulting for tri-state area hospitals and health care facilities.
- IBM AS/400 terminal emulation, connectivity, and integration on PC workstations.

Technical Skills

**C/C++, Java, C#, .Net, Perl, Python, Ruby, SQL, Scheme
Apache, MySQL, PostgreSQL, Mail, and Unix Administration**

Awards

- Best Session Presentation - College of Physical and Mathematical Sciences Spring Research Conference (2003, 2006)
- BYU Office of Research and Creative Activities (ORCA) Undergraduate Research Scholarship
- Full Tuition Undergraduate Scholarship
- Dean's List College of Engineering