

John Kolen

Machine Learning Expert

- Email me on Indeed: [indeed.com/r/John-Kolen/04b6eb01bb091d5d](https://www.indeed.com/r/John-Kolen/04b6eb01bb091d5d)

I enjoy searching through large amounts of data to find exploitable regularities.

WORK EXPERIENCE

Senior Software Engineer

Google, Inc - Mountain View, CA - August 2008 to May 2011

Developed machine learning approaches for optimizing quality of and resources used for web search. Experience with large-scale distributed systems. Developed metrics for web page similarity.

Senior Software Engineer and Director of Network Applications

Bsecure Technologies - Fort Walton Beach, FL - May 2006 to July 2008

Initially hired as Senior Software Engineer to develop multi-tiered web page categorization system (patent-pending). Promoted to Director to supervise development of all server-based software. Concurrent with UWF position.

Assistant Professor

Department of Computer Science, University of West Florida - Pensacola, FL - August 2003 to May 2008

Taught courses in computer science. Participated in college-level governance. Engaged in several research projects.

Consultant

Control Systems Research - Valparaiso, FL - September 2006 to November 2006

Implemented tool for generating scatter diagrams of ballistic release of ordinance at Navy test ranges (C++).

Research Scientist

Institute for Human and Machine Cognition, University of West Florida - Pensacola, FL - May 2000 to August 2003

Engaged in several research projects including image analysis of Martian geological formations, predicting water levels of Lake Okeechobee (Florida) from climatic variables, modelling laser marksmen attempting to track passing aircraft.

Consultant

Naval Aerospace Medical Research Laboratory - Pensacola, FL - January 2002 to December 2002

Implementing data acquisition and analysis system for hypoxia and flight instrument evaluation experiment. (Network programming, Perl, and PHP.)

Assistant Professor

Department of Computer Science, University of West Florida - Pensacola, FL - January 1996 to May 2000

Visiting Instructor

Department of Computer and Information Sciences, The Ohio State - Columbus, OH - October 1994 to December 1995

Programmer

Interface Logic Systems - Columbus, OH - March 1994 to October 1994

Implementing and maintaining programs for truck scale data collection and management.
(C++)

EDUCATION

Ph.D. in Computer and Information Science

The Ohio State University - Columbus, OH
January 1989 to June 1994

M.S. in Computer and Information Science

The Ohio State University - Columbus, OH
September 1987 to December 1988

B.A. in Computer Science

University of California - La Jolla, CA
September 1983 to June 1987

SKILLS

Expert Languages C, C++, Lisp, Mathematica, Pascal, Perl, PostScript, Ruby, Unix Shells. Other Languages Assembly (6502, Z80, Intel X86), BASIC, Cold Fusion, Java, Modula2, PHP, TCL/TK. Domains Data collection and mining, simulation and modeling, image processing, networking, web- based systems, distributed processing. Other Tools HTML, LATEX, lex, make, map reduce, Pregel (distributed graph processing), Rails, svn, SQL, UML, XML, and yacc. Operating Systems Linux, Solaris, and Windows.

LINKS

<http://jumpkicksoftware.com/~jkolen/vita.pdf>

ADDITIONAL INFORMATION

Seven refereed journal publications, two edited books, six book chapters, twenty-two refereed conference papers, and two directed theses. See vita at <http://jumpkicksoftware.com/~jkolen/vita.pdf> for full list.