

Dr. Severance is a Clinical Assistant Professor at the University of Michigan School of Information.. He received Master's Degree in Computer Science from Michigan State University in 1990 and Phd. in Computer Science also from Michigan State University in 1996 in Computer Science. He is currently involved in online collaboration systems for teaching and learning as well as e-Research. Prior research interests include High Performance Computing, having written the O'Reilly book on the subject. He is the author of the O'Reilly book titled "Using the Google App Engine".

Education:

Ph.D., Michigan State University, 1996. Computer Science.

M.S., Michigan State University, 1990. Major Computer Science

B.S., Michigan State University, 1985. Major Computer Science

Work Experience:

09/07 – Present, University of Michigan School of Information, Clinical Assistant Professor.

08/02 – 08/07, University of Michigan Duderstadt Center, Executive Director Sakai Foundation (www.sakaiproject.org).

01/01 – 08/02, Director of Product Development, Strategic Interactive. Responsible for software design and development leadership.

06/99 – 01/01, Associate Director for Advanced Technology, University of Michigan Media Union. Responsibilities include Video/Audio Production Facilities, Scientific Computing, and Scientific Visualization.

04/96 – 05/99, Director of the Computer Services - MSU College of Engineering. Adjunct Assistant Professor, Department of Computer Science, Michigan State University.

10/86 – 03/96, Michigan State University - Computer Laboratory. Division Manager – UNIX Computing. Duties included project management, systems design, software development, system acquisition, new employee training, and employee evaluation.

06/83-10/85, Burroughs Corporation - Okemos, MI. Project Leader - Systems development group. Duties included project management, systems design, and employee evaluation.

06/78 – 06/83, Michigan State University - Computer Laboratory. Coordinated the general consulting activities of the User Information Center.

Selected Publications:

Severance, C, "Using Google App Engine," O'Reilly and Associates, May 2009, ISBN 978-0-596-80069-7.

Severance C, Hardin J, Whyte A, The Coming Functionality Mashup in Personal Learning Environments, Interactive Learning Environments (Journal), Volume 16, Number 1, April 2008.

Severance C, IEEE Computer, Standards Column Editor. Columns written: January 1999 - POSIX: A Model for the Future of Computing, July 1998 - Standardizing Real-Time Streaming Protocols, March 1998 - IEEE 754: An Interview with William Kahan, September 1997 - OSI Retrospect and Prospect, and February 1997 - Linking Computers and Consumer Electronics.

Severance C, Dowd K, "High Performance Computing", O'Reilly and Associates 1998. ISBN 1-56592-312-X.

Severance C, Enbody R, Petersen P, Managing the Overall Balance of Threads on a Multiprocessor using Automatic Self Allocating Threads (ASAT) - Journal of Parallel and Distributed Computing 37, 106-112 (1996).

Other Publications / Software Developed:

Sakai Project (www.sakaiproject.org) - I was the Chief Architect and later Executive Director of the Sakai Project.

Sync-O-Matic-2000, Web Lecture Capture using Real Video, www.syncomat.com

ClipBoard-2000, Web Lecture Capture using QuickTime, Copyright 1999-2003, www.netfact.com/csev/projects/cb2k/

CERN Web Lecture Archive, webcast.cern.ch/Projects/WebLectureArchive/ a joint project between CERN and University of Michigan

Synergistic Activities

Nuthin' but Net and Internet:TCI – Co-Host of two regional award-winning monthly television talk shows about the Internet from 1995-1999.

Merit Network, Davidsen, S, et. al., "Building A Community Network Tool Kit", \$177,200 1997. This project developed a book, training materials, video materials, software, and web site to support public libraries in their efforts to provide on-line community information (see www.citoolkit.org/).

“Collaborative Proposal: Middleware for Grid Portals”, National Science Foundation, \$720,000 , 9/2003.