

Mike Pihlman

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Tracy, CA

Recent / Relevant Experience

AltamontCowork

Owner, May 1999 to Present

A coworking location in downtown, Tracy, CA (<http://AltamontCowork.com>)

ForCarol.com, Inc.

Director, Sept 2010 to Present

ForCarol.com, Inc. is a 501c3 non-profit dedicated to raising awareness of unsafe teen driving, the need for parents to enforce curfews, and to award yearly \$1,000 college scholarships (Carol Phan College Scholarship Fund) to local Tracy, CA graduating seniors planning to attend 4 year colleges. We lost Carol on Sept 18, 2010.

I am responsible for all aspects of running the non-profit. This includes: developing, maintaining, and writing the web site / blog, graphics design, maintaining and providing content for Facebook and Twitter, online and traditional advertising, seeking donations, formulate creative ideas to increase donations.

Substitute Teacher: Tracy Unified and Jefferson School Districts

August 2007 to Present

Substitute teacher in grades K-12. I am a San Joaquin Department of Education "Project IMPACT" Intern Eligible teacher. CLAD and Mild to Moderate Special Education.

TelBitConsulting.com

Video Conferencing Consultant / Blogger, August 2006 to Present

Video conferencing consultant providing independent assistance and project management to clients thinking about, or implementing, video conferencing.

Write a Technical Blog (TelBitConsulting.com) specializing in video conferencing, collaboration, coworking, and telecommuting. I test and evaluate video conferencing products, applications, and services as well as investigate and write about other technologies that could be interesting to my readers.

Lawrence Berkeley National Laboratory / Energy Sciences Network (ESnet)

Computer Systems Engineer III, 1999-2006, Retired

Developed new and unique architectures, solutions, and applications to further the advancement of voice, video, and data collaboration over IP (Internet).

Developed an "Ad-Hoc" H.323 video conferencing architecture that made it very easy to call into and meet with multiple participants using IP-based video conferencing.

Worked closely with vendors of gatekeeper, gateway, endpoints and multipoint control units to select, and develop, the best of breed systems for ESnet Ad-Hoc H.323 IP video conferencing service.

Project engineer/manager for the development of a new scheduler to be used for the remaining H.320 video conferencing users.

Planned and evaluated the results of "beta" testing the Ad-Hoc service with some early adopters.

Placed the [ESnet "Ad-Hoc" H.323 IP video conferencing service](#) into production on Jan 31, 2004.

Supported the video and audio conferencing services with one other person. Over 1500 EP's supported by 1.5 FTE.

Since that time, this service has grown tremendously. When I left, it was being used by over 1500 users around the world with usage topping 6000 port hours per month. To help understand this usage, it means that this video conferencing service supported, on average, 272 meeting hours per work day!

Developed a Perl based web-based registration process for video conferencing users and equipment using ESnet Collaboration.

Consulted with the TeleCon Conference where I developed, and implemented, the "Virtual Classroom" and "Network Neighborhood" exhibits that showcased the marriage of video conferencing, computers, networking, telecommunications, and collaboration.

Co-organized and ran two Video Conferencing User Workshops for ESnet Collaboration customers and vendors 2004 and 2005.

First to [respond on 9/11](#) to help Columbia University (see the 11:23 am time entry).

Applied Business teleCommunications/et3 (TeleCon Conference)

Chief Technical Officer, 1995 to 1999

Responsible for the evaluation and evangelizing of video conferencing products (endpoints, infrastructure), services, and applications.

Wrote the "View from the Desktop" Newsletter where I evaluated new video conferencing products for our readers.

Implemented the first video conferencing network used by the TeleCon staff at the TeleCon Conference and in the Livermore, CA and Brentwood, CA offices.

Developed the "Network Neighborhood" at the TeleCon Conference which showcased multiple video conferencing products in a hands-on environment.

Sr. Technology Editor for Teleconference Magazine.

Responsible for the network wiring, telephone systems, computer systems when back at the office.

Lawrence Livermore National Laboratory (LLNL)

Engineer, 1985 to 1995

Supervised a group (4 people) responsible for ISDN troubleshooting and installation, and the introduction of 10BaseT networks at the Lab

Introduced desktop videoconferencing at LLNL in 1992. Co- developed the [Personal Telepresence](#) concept and the ["Virtual Classroom"](#) with Stanford University.

Designed hardware for a non-invasive means to examine the inside of the human body, the Impedance Camera.

Designed the human interface to the Lab's computerized security system, the [Remote Access Panel](#).

Co-wrote the first Telecommuting Plan at LLNL

More papers [published at LLNL](#)

Previous Work Experience

AT&T Bell Labs, Holmdel, NJ, Project Engineer
Grumman Aerospace, Bethpage, NY, Design Engineer

Hazeltine Corporation, Greenlawn, NY, Electronics Technician

Education, Honors, and Military

University of Kansas

Lawrence, Kansas

Masters Degree, 1981

MSEE, Majors: Communication Theory and Microwave Remote Sensing

Thesis Topic: Coherent Optical Determination of the Leaf Angle Distribution of Corn

SUNY at Stony Brook

Stony Brook, NY

Bachelors Degree, 1978

BEEE, Majors: Digital Design and Electromagnetics

Honors

Tau Beta Pi-The National Engineering Honor Society

Eta Kappa Nu-the Electrical Engineering Honor Society

Military

U.S. Navy, Vietnam Era

Blogs and Web Sites

AltamontCowork (Coworking): <http://AltamontCowork.com>

ForCarol.com (Non-profit college scholarships): <http://ForCarol.com>

Book Review Blog (Thrillers & Mysteries): <http://TracyReaderDad.com>

Technical Blog (Video conferencing): <http://TelBitConsulting.com>