

**Kayven Riese** kayvey@gmail.com www.kayve.net  
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## · Education

**San Francisco State University, Department of Computer Science, Master's Degree, August 2011**

Created proteomic visualization system using UniProt and Cairo Graphics. Download code, necessary data files & documentation from [kayve.net/promog.tgz](http://kayve.net/promog.tgz) (UNIX extract "tar vxzf promog.tgz"). Installed loaddap on personal CentOS to obtain data for Physical Oceanography MatLab work.

**University of Southern California, Department of Physiology and Biophysics, Master's Degree, 1997**

**University of Wisconsin at Madison, Department of Mathematics, Bachelor's Degree  
Department of Computer Science, Bachelor of Science, 1989**

## · Experience

**Chess Yoga** ([www.chessyoga.org](http://www.chessyoga.org)), Volunteer Webmaster 2004-present

**Oakland Unified School District**, Day to day substitute 2006-2007

**San Francisco State University, Disability Programs & Resource Center**

Student Assistant and Tutor, 2004-2005

**University of California, San Francisco, Department of Ophthalmology**

Research Assistant (RIA, Western Blot, radioisotope assay, SDS-PAGE), duties including sterile technique, cell line maintenance, & inventory management.

Principal Investigator, Richard B. Crook, Ph.D., 1994-1995, 2000-2003

**San Francisco Unified School District**, Day to day substitute 2000-2001

McAteer HS advanced algebra; Mission HS 9<sup>th</sup> grade general science & 12<sup>th</sup> grade health.

**Acacia Biosystems, Inc.**, Richmond, CA 1998

Automation Assistant

**Biocircuits Corporation**, Burlingame, CA 1992

Technical Administrator

**Waisman Center**, UW Hospital, Madison, WI 1989

Laboratory Assistant including sterile technique

**Regent Food Market**, Madison, WI 1986-1988

Assistant Inventory Manager

## · Additional Coursework

**City College of San Francisco, Computers and Information Systems** 1998-2000, 2002-2003

Open/UNIX system administration; HPLC; LAN; Physics with electromagnetism laboratory.

**University of California at Berkeley- Extension** 2001

SAS; COM/DCOM; bioinformatics; MS dll programming.

**University of California at Berkeley, Department of Molecular Cell Biology**, 1991-1993

Post-bachelor's non-degree coursework in physiology and chemistry to prepare for graduate school.

## · Skills

**GLP Techniques:** PCR, GC-MS, HPLC, MALDI-TOF, 2D-PAGE, radioisotope, cell culture, Western Blot, RIA, immunoprecipitation, UV/Bradford, pH, SDS-PAGE, auxotroph.

**Web Development:** HTML, CSS, XML, Perl, PHP, JavaScript, CGI, JAVA applet.

**Multimedia:** Flash, GIMP, Photoshop, OpenGL, openAL, Korel Draw.

**Internet/Intranet:** Pine, LAN, cc: email, (s)FTP, AppleTalk, NT drive mapping.

**Bioinformatics:** BLAST, NCBI, SRS, PubMed, SwissProt/UniProt, KEGG.

**DB/Spreadsheet:** Oracle, MS Access, SQL, Quanta, QL, Excel, MySQL, Lotus, PL/SQL, UniProt.

**Statistics:** SigmaPlot, SAS, STATA, SPSS.

**OOP/PL/Script:** VB, JAVA, C/C++, ksh, bash, FORTRAN, Pascal, Basic, AWK, LISP, OPS-5, MFC.

**OS/asm:** X, MS Windows, FreeBSD, CentOS, Gentoo, Ubuntu, MacOS, EVAX, UNIX (AIX, HPUX), MS-DOS, MIPS, VAX11/780, HP.

## · Interests

Guitar, chess, HO scale model railroading, maps, paleoclimatology.

· **Publications**

Lehman TD, **Riese K**, Lehman NL, Jackson PK, and Crook RB.

Ubiquitination is involved in the regulation of Na-K-Cl Cotransporter (NKCC) turnover in pigmented ciliary epithelial cells.

Investigative Ophthalmology and Visual Science **48**: E-5541(2007). [www.iovs.com](http://www.iovs.com)

**Riese K**, Beyer AT, Lui GM, and Crook RB.

Dopaminergic D1 stimulation of Na<sup>+</sup>,K<sup>+</sup>,Cl<sup>-</sup> cotransport in NPE cells: a role for multiple hormones.

Investigative Ophthalmology and Visual Science **39**: 1444-52(1998).

**Riese K**, Cohen DM, and Bergman RN.

Stochastic properties of metabolites are dependent upon their own concentrations and enzymatic rates but not upon those of other metabolites, as calculated by SYNTAX.

FASEB Supplement **11(3)**:A602, 3481 (Feb 1997)

Crook RB and **Riese K**.

Beta-adrenergic stimulation of Na<sup>+</sup>,K<sup>+</sup>,Cl<sup>-</sup> cotransport in fetal nonpigmented ciliary epithelial cells.

Investigative Ophthalmology and Visual Science **37**:1047-1057(1996).

Crook RB and **Riese K**.

Adrenergic and dopaminergic regulation of Na<sup>+</sup>,K<sup>+</sup>,Cl<sup>-</sup> cotransport in human NPE cells.

Experimental Eye Research **63**:S24 (1996).

Crook RB and **Riese K**.

Protein phosphatases regulate Na<sup>+</sup>,K<sup>+</sup>,Cl<sup>-</sup> cotransport in fetal human NPE cells.

Experimental Eye Research **63**:S178(1996).

Crook RB and **Riese K**.

Protein phosphatases regulate Na<sup>+</sup>,K<sup>+</sup>,Cl<sup>-</sup> cotransport in fetal human NPE cells.

Investigative Ophthalmology and Visual Science **37**:S439 (1996).

**Riese K**, Polansky JR, and Crook RB.

Adrenergic stimulation of Na<sup>+</sup>,K<sup>+</sup>,Cl<sup>-</sup> cotransport in fetal NPE cells.

Investigative Ophthalmology and Visual Science **36**:S216 (1995).