

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 (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), 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 9th grade general science & 12th 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

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

Dopaminergic D1 stimulation of Na⁺,K⁺,Cl⁻ 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⁺,K⁺,Cl⁻ 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⁺,K⁺,Cl⁻ cotransport in human NPE cells.

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

Crook RB and **Riese K**.

Protein phosphatases regulate Na⁺,K⁺,Cl⁻ cotransport in fetal human NPE cells.

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

Crook RB and **Riese K**.

Protein phosphatases regulate Na⁺,K⁺,Cl⁻ 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⁺,K⁺,Cl⁻ cotransport in fetal NPE cells.

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