

P. Christoph Champ

Online CV: <http://www.christophchamp.com/cv/>
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Current location: Chicago, IL, USA

Profile

Linux System Administrator and programmer with strong technical and analytical skills. Experienced in the areas of system administration, hardware, databases, backup, web design (LAMP developer), programming, and scientific research. Interested in data mining, pattern extraction, informatics, and software development.

(see: http://wiki.christophchamp.com/index.php/Curriculum_Vitae for an extended CV.)

Education

B.S. Biochemistry and Biophysics, Oregon State University
September 2000 - June 2004

Skills

- * Computer operating systems: Linux / Unix, Windows, and Mac OS X
- * Computer languages and scripts: Python, C (+MPI/MPICH), Perl (+CGI), PHP, (X)HTML, CSS, MySQL, various shell scripting languages, and Apache HTTP Server
- * Languages Spoken: English, Spanish (college level), and German (college level)

see: http://wiki.christophchamp.com/index.php/Technical_and_Specialized_Skills for a detailed listing.

Publications

- * Frank Zucker, **P. Christoph Champ**, and Ethan A. Merritt (2010). "Validation of crystallographic models containing TLS or other descriptions of anisotropy". *Acta Cryst.*, D66:889-900.
- * **P. Christoph Champ** and Carlos J. Camacho (2007). "FastContact: a free energy scoring tool for protein-protein complex structures". *Nucleic Acids Research (Web Issue)* [NAR-00339-Web-B-2007.R1].
- * **P. Christoph Champ**, Tim T. Binnewies, Natasja Nielsen, Guy Zinman, Kristoffer Kiil, Hang Wu, Jon Bohlin and David W. Ussery (2006). "Genome update: purine strand bias in 280 bacterial chromosomes". *Microbiology*, 152(3):579-583.
- * Carlos J. Camacho, Ma H, and **P. Christoph Champ** (2006). "Scoring a diverse set of high-quality docked conformations: A metascore based on electrostatic and desolvation interactions". *Proteins*, 63(4):868-77.
- * **P. Christoph Champ**, Sandor Maurice, Jeffery M. Vargason, Tracy Camp, and P. Shing Ho (2004). "Distributions of Z-DNA and nuclear factor I in human chromosome 22: a model for coupled transcriptional regulation". *Nucleic*

Experience

- * **Consultant, Chicago, USA**
Web developer
October 2010 to present

- * **Dr. Ethan A. Merritt Laboratory, University of Washington, USA**
System Administrator / Research Assistant (+software developer / maintainer)
October 2006 to October 2010
http://wiki.christophchamp.com/index.php/Dr._Ethan_A._Merritt_Laboratory

- * **Dr. Carlos J. Camacho Laboratory, University of Pittsburgh, USA**
System Administrator / Research Assistant (+software developer / maintainer)
March 2006 to June 2006
http://wiki.christophchamp.com/index.php/Dr._Carlos_J._Camacho_Laboratory

- * **Dr. David W. Ussery Laboratory, Danmarks Tekniske Universitet, Denmark**
Research Assistant (and programmer)
August 2005 to November 2005
http://wiki.christophchamp.com/index.php/Dr._David_W._Ussery_Laboratory

- * **Dr. Carlos J. Camacho Laboratory, University of Pittsburgh, USA**
System Administrator / Research Assistant (+programmer)
October 2004 to July 2005
http://wiki.christophchamp.com/index.php/Dr._Carlos_J._Camacho_Laboratory

- * **Dr. Alex Rich Laboratory, Massachusetts Institute of Technology, USA**
Research Assistant (+programmer)
July 2002 to December 2002
http://wiki.christophchamp.com/index.php/Dr._Alex_Rich_Laboratory

- * **Dr. P. Shing Ho Laboratory, Oregon State University, USA**
Research Assistant (+software developer / maintainer)
May 2000 to September 2004
http://wiki.christophchamp.com/index.php/Dr._P._Shing_Ho_Laboratory

- * **Berlitz, Slovenia**
English Language Instructor
December 1996 to December 1997

References

Personal and professional references are available upon request.