

Christoph Aschwanden, Ph.D.



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Academia

- Aug 2001 - Dec 2005 University of Hawaii at Manoa, Information and Computer Science Dept.
Ph.D. in Computer Science
- Aug 2001 - Dec 2003 University of Hawaii at Manoa, Information and Computer Science Dept.
Master's degree in Information and Computer Sciences
- Aug 1995 - Apr 2001 Swiss Federal Institute of Technology (ETH), Dept. of Electrical Engineering
Master's degree in Electrical Engineering
- Aug 1988 - July 1994 Gymnasium Wetzikon, Switzerland
Matura Typus C (Swiss Natural Sciences Degree)

Experience

- Since Aug 2005 Telehealth Research Institute (TRI), John. A. Burns School of Medicine
Program Coordinator / Project Manager (J2SE, J2EE, MySQL, PHP, C/C++)
- Aug 2003 - Jul 2005 Telehealth Research Institute (TRI), Univ. of Hawaii at Manoa
Virtual Reality Development (C/C++, Haptics, OpenGL)
- Apr 2001 - Jul 2003 Adaptive Multimodal Interaction Laboratory (AMI), Univ. of Hawaii at Manoa
HCI Research; Development of a Data Recording/Analysis Framework (J2SE)
- Jul 2000 - Mar 2001 Profitline (Financial Company), Dietikon, Switzerland
Database integration: Online Stock Trading (Java, Oracle)
- Jan 2000 - Dec 2000 ISB Computer School, Zürich, Switzerland
*Teaching Adults: Internet and Programming course (Java, Databases);
Network Management (Windows NT Network)*
- Oct 1999 - Feb 2000 u-blox, Zürich, Switzerland
Integration of GPS Position Information into the Company Web Site (Java)
- Jul 1999 - Mar 2000 RBM Travel, Zürich, Switzerland
Network Administration (Windows NT Network)
- Jan 1999 - Mar 2001 Digicomp Computer School, Zürich, Switzerland
Teaching Adults: Internet and Programming courses (Java, Databases)
- Jan 1998 - Jan 2001 Medusa Computer Systems, Zürich, Switzerland
Administration; Hardware collection; Web site management (Hardware)
- Aug 1997 - Apr 1999 ACOS Computer School, Zürich, Switzerland
*Responsible for the Company Web Site/Company Network (incl. DB integration)
Teaching Adults: Internet and Programming courses*
- Jan 1997 - Feb 1997 Landert Motoren AG, Bülach, Switzerland
Electrical/Mechanical Engineering Internship (Mechanics)
- Jul 1996 - Mar 1997 Swiss Federal Institutes of Technology (ETH), Dept. of Mechanical Engineering
Development of a "Viskosimeter" to Measure Viscosity Levels of Fluids.

Skills & Qualifications

The following table list in-depth hands-on skills and knowledge only.

Management Skills	Skills include network, web and hardware administration . I designed and implemented standalone applications for projects involving remote networking and database access. I have worked in teams ; meeting supervisors to discuss development plans. I have experience in the writing of grants, reports and documentation. I have trained apprentices and collaborated with fellow researchers and private companies overseas.
Software Engineering	I have worked on application/web development projects including Java, Swing, HTML, CSS, PHP, XML and C/C++. I developed and maintained applications, web sites and Applets using Ant build-scripts and SVN for collaboration. Projects consisted networking, databases, hardware, 3D visualization (OpenGL, Java3D) and assembler coding. Development environments I utilized are among Eclipse, JBuilder and Visual Studio.
Teaching	Internet and Java courses teaching adult professionals and students.
Operating Systems	Windows and Linux (Fedora, Debian, Red Hat): includes web server, database server and file server setup and maintenance.
Networking	Setup of company/classroom networks . Setup of HTTP, FTP services. I worked with all the common network protocols (DNS, HTTP, FTP, POP, SMTP) and am aware of the necessary details of setting up web servers including encryption for secure communication.
Databases	I have installed and maintained database servers including MySQL, Oracle and Access. I am capable of designing and implementing relational database models . I was involved in web and application development accessing database tables using SQL and ORM (Hibernate).
Languages	English, German, Japanese (3 years).

Awards & Honors

2007	Top High Tech Leader Award, <i>7th Annual Technology Industry Awards, Hawaii.</i>
2007	Commendation by <i>Governor Linda Lingle, State of Hawaii.</i>
2007	Mayor's Award of Recognition by <i>Mufi Hannemann, Mayor of Honolulu, Hawaii.</i>
2007	Certificate of Special Recognition by <i>Mazie K. Hirono, Member of Congress, US.</i>
2007	Best Paper Award, <i>HCTM Hospital of the Future Conference, Pisa, Italy.</i>
2006, 2007	Best Poster Award, <i>MMVR Conference in Long Beach, Los Angeles.</i>
2005	Dell High Performance Computing Award, <i>Dell USA.</i>
2003, 2004	Founder & President, <i>ICS Graduate Student Organization, University of Hawaii.</i>