

Keith W. Alcock - Computing

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- Summary** Over twenty years software development experience covering complete lifecycles of systems written in Java, C/C++/C#, Smalltalk, VBA, SQL, HTML, XML, Perl, Python, and JavaScript under Windows, Unix, MacOS, and web browsers for corporations, small businesses, and academia.
- Experience**
- 2007-08 • MAX PLANCK INSTITUTE FOR PSYCHOLINGUISTICS, Nijmegen, The Netherlands
Software Developer programming a client-side Web 2.0 lexicon tool with JavaScript and Dojo.
 - 2000-01 • System Software Developer creating psycholinguistic experiment builder in Smalltalk and VBA.
 - Independent contractor/consultant, Tucson, AZ
 - * PSYCHOLOGY DEPARTMENT, University of Arizona, Tucson, AZ
Renovating experiment hardware and software for Macs in the Tweety and Tigger labs.
 - * LASCAUX GRAPHICS, Tucson, AZ
 - 2005-06 Internationalizing COM components and creating ASP.NET data-aware custom controls.
 - 2004-05 • LINGUISTICS DEPARTMENT, University of Arizona, Tucson, AZ
Supporting the Mutsun project dictionary of the Douglass Phonetics Lab.
 - 2006-2004-05 Porting of PAPPI parser in C and Prolog from Sun to Mac and across Prolog dialects.
 - 2004-05 • MODERN AND CLASSICAL LANGUAGES, University of Kentucky, Lexington, KY
JavaScript programming for Women in German Conference web site.
 - 2004-05 • LANGUAGE TECHNOLOGIES, INC., Tucson, AZ
 - 2001- Inventing and implementing linguistically motivated document reformatting algorithms to improve reader comprehension and appreciation, increase ad revenue, and cut printing costs.
 - 2005 • MIS DEPARTMENT, University of Arizona, Tucson, AZ
Systems Programmer in Artificial Intelligence Lab coding three-tier applications in HTML, Java with Struts, SQL, and XML for web and data mining, visualization, and bioinformatics.
 - 1999-00 • POLDERLAND LANGUAGE AND SPEECH TECHNOLOGY, Nijmegen, The Netherlands
Software Engineer writing code for email text-to-speech preprocessing, morphological and lexical analysis, language identification, spelling and grammar checking, electronic dictionaries.
 - Independent contractor/consultant, Nijmegen, The Netherlands
 - * UNIVERSITY OF NIJMEGEN, Nijmegen, The Netherlands
Programming web site for international LabPhon 7 conference including registration.
 - * BASF Systems Corporation, Bedford, MA
 - 1999 Implementing Visual Basic to ASPI bridge in C for automatic tape initialization.
 - 1998 • WARNER CONSULTING, INC., Racine, WI
Developing web site for quality control consulting company.
 - 1996 • LINGUISTICS DEPARTMENT, University of California, Berkeley, CA
Computer Resource Specialist in Phonology Lab managing and integrating systems.
 - DELTA GROUP based in Mannheim, Germany
 - * DELTA COMPUTER GmbH and INTERFACE DATA, Inc., from Albany, CA
Independent contractor managing DX software. Expansion to eight OSes, development of web site, production of custom diagnostic tools and utilities, customer support.
 - * DELTA XMIT GmbH, from Minneapolis, MN
Independent contractor maintaining DX software. Port to second OS, hardware platform, and controller including development of device drivers and extensive installation scripts.
 - * DELTA XMIT GmbH, Mannheim, Germany
Systems Programmer and product developer designing and implementing the bilingual DX Data eXchange software for tape drives on the IBM RT/PC and RS/6000 running AIX.
 - * EM-GERÄTEBAU GmbH, Mannheim, Germany
Intern in peripheral vendor sales department contributing technical translation, handbook composition and layout, database management, testing and service of tape drive systems.
 - 1983-89 • DEPT. OF ELECTRICAL ENGINEERING, University of Minnesota, Minneapolis, MN
Jr. Scientist Trainee in acoustic research lab providing programming and instrumentation.
 - IBM CORP., Rochester, MN
 - 1984-85 Summer Pre-Professional in low-end storage development lab testing hardware logic.
 - 1982 • Computer enthusiast developing and selling initial software package for the new IBM PC.
- Education**
- 2008 • Pima Community College, Tucson, AZ
Institutional Recommendation for Secondary Ed. Teaching Certificate in Computer and Math
 - University of Arizona, Tucson, AZ
 - 2003- Graduate and undergraduate courses in Linguistics and Computer Science
 - Nijmegen, The Netherlands
 - 1999 National examination for Dutch as a foreign language, proficient in written and spoken language
 - University of Minnesota, Minneapolis, MN
 - 1989 Bachelor of Electrical Engineering, computer engineering/digital systems emphasis
 - 1988 Bachelor of Arts in German, German studies emphasis
 - Mannheim, Germany
 - 1987 Study at Goethe Institute, Mannheim Technical College, University of Mannheim