

Keith W. Alcock - Computing

Home: 1633 N. Bentley Ave. Tucson, AZ 85716
Web: <http://www.keithalcock.com>

Cell: (520) 440-8795
Email: keith@keithalcock.com

- Summary** Over 25 years of experience as a software developer, leveraging a broad range of programming languages (Java, C/C++/C#, Smalltalk, VBA, HTML, XML, Python, JavaScript, and more) to create the best possible solution for a given platform (Windows, Mac, Unix, Android or web browser).
- Experience**
- Independent contractor/consultant, Tucson, AZ
 - * COMPUTER SCIENCE DEPARTMENT, University of Arizona, Tucson, AZ
 - 2014- Updating a provenance-enabling OpenOffice extension with matching server and database.
 - * THE SOCCER ADVANTAGE, Rochester, MN
 - 2009- Creating eCommerce websites at ProStores and BigCommerce and Quicken POS addons.
 - * PSYCHOLOGY DEPARTMENT, University of Arizona, Tucson, AZ
 - 2005-06 Renovating experiment hardware and software in C for Macs in the Tweety and Tigger labs.
 - * LASCAUX GRAPHICS, Tucson, AZ
 - 2004-05 Internationalizing COM components and creating ASP.NET data-aware custom controls.
 - * LINGUISTICS DEPARTMENT, University of Arizona, Tucson, AZ
 - 2006- Supporting the Mutsun project dictionary of the Douglass Phonetics Lab.
 - 2004-05 Porting of PAPPi parser in C and Prolog from Sun to Mac and across Prolog dialects.
 - * MODERN AND CLASSICAL LANGUAGES, University of Kentucky, Lexington, KY
 - 2004-05 Programming JavaScript for Women in German Conference website.
 - * LANGUAGE TECHNOLOGIES, INC., Tucson, AZ
 - 2001-07 Inventing and implementing linguistically motivated document reformatting algorithms to improve reader comprehension and appreciation, increase ad revenue, and cut printing costs.
 - MAX PLANCK INSTITUTE FOR PSYCHOLINGUISTICS, Nijmegen, The Netherlands
 - 2007-08 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.
 - MIS DEPARTMENT, University of Arizona, Tucson, AZ
 - 2005 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.
 - POLDERLAND LANGUAGE AND SPEECH TECHNOLOGY, Nijmegen, The Netherlands
 - 1999-00 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
 - 2000 Programming website 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.
 - * WARNER CONSULTING, INC., Racine, WI
 - 1998 Developing website for quality control consulting company.
 - LINGUISTICS DEPARTMENT, University of California, Berkeley, CA
 - 1996 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
 - 1993-98 Independent contractor managing DX software. Expansion to eight OSes, development of website, production of custom diagnostic tools and utilities, customer support.
 - * DELTA XMIT GmbH, from Minneapolis, MN
 - 1991-93 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
 - 1990-91 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
 - 1989-90 Intern in peripheral vendor sales department contributing technical translation, handbook composition and layout, database management, testing and service of tape drive systems.
 - DEPT. OF ELECTRICAL ENGINEERING, University of Minnesota, Minneapolis, MN
 - 1983-89 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**
- Udacity, Coursera, Online courses
 - 2012- Numerous courses including parallel and functional programming, data analysis, cryptography
 - 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