Eric Riebling
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Education:

B.S. EBS, Electrical and Computer Engineering
Carnegie-Mellon University, 1985

Skill Set: C/C++, Python, Linux, XML, CGI (Perl), SQL, C#, Visual Basic, Java

Experience:

2006-present Senior Research Programmer CMU LTI
Design, procure, maintain 'lightweight' GPU compute cluster for ASR experiments (Slurm,Gluster)
Develop and deploy numerous ASR virtual machines based on Kaldi and EESEN at speechkitchen.org. Eesen Transcriber performs automatic transcription, subtitling, video retrieval, and language model customization, and can run locally or on Amazon EC2. DiarizationVM is a diarization toolkit
Principal Engineer and de facto project manager for multi-million dollar IARPA "METAL" research project to detect metaphors in 4 languages (English, Mexican Spanish, Russian, and Farsi)
Maintain an OpenSim (Second Life) virtual world and develop a C# API to support artificially intelligent avatars.
Responsible for distributed NLP annotation of large (million document) corpora using IBM/Apache's Unstructured Information Management Architecture.
Support research in cross-lingual question answering (JAVELIN) using systems built from a myriad of technologies. (Python, Java, SQL, J2EE, Hibernate, UIMA)
Develop and integrate NLP portion of an automated email answering system for a digital assitant that learns. (RADAR)
Develop a Java Web Start application to translate spoken Arabic to English using distributed, decentralized engines
Participate in RACR machine reading project with IBM to annotate corpora and populate RDF graph database for complex queries

2001-2002 Consulting Engineer TraceAbility Systems
Worked in Visual Basic and C/C++ to develop custom control and user interface systems for industrial marking.
Full lifecycle spanned from hardware interfacing through user documentation and installation.

2000 Senior Engineer Logica
Fixed bugs and performed enhancements on table and map components of logistics and planning software for U.S. Army, using Java Swing toolkit and Maya Viz Framework.

1991-1996 Senior Engineer II Carnegie Group
Responsible for all C code, system integration and delivery of the Caterpillar Technical English Language Environment.
Designed, documented, implemented, maintained, and tested IPC, Editor Manager, and System Services portions of Caterpillar Technical English Language Environment.
Shared patent for integrated machine translation system.
Prototyped and investigated various IPC/launch schemes.

1986-1991 Technical Staff Conner-Scelza Associates
Implemented boot and diagnostic code for multi-processor UNIX workstation.
Implemented TCP, RPC, and Mail protocols for PERQ workstation running ACCENT.
Coded a reliable tape backup system which detects and corrects errors in real time.
Wrote display driver to interpret Macintosh Quickdraw for 300 dpi ultra-high-resolution monitor.
Participated in two UNIX ports to custom workstations (System V, SunOS).
Created system to spool and buffer realtime UPI news feed for fact extraction.

Interests: I have a strong interest in music, having recorded and performed locally and nationally during bittersweet stints with MCA and Atlantic records.