Eric L. Wagner

Professional Preparation

University of Colorado at Boulder   Computer Science   B.S., 1993

Appointments

2021 – present:	Senior Support Engineer NorthWest Research Associates, Inc., Boulder, Colorado office
2009 – 2020:	Support Engineer NorthWest Research Associates, Inc., Boulder, Colorado office
2001 – 2009:	Freelance C/UNIX/Linux Programmer, System Administrator
1999 – 2001:	Engineer/Programmer East West Communications Inc., New York City
1998 – 2002:	Consultant Engineer/Technician Posthorn Recordings Inc., New York City
1995 – 1998:	Recording Engineer/Technician Quintessential Sound Inc., New York City
1994 – 1995:	Software Engineer Geotechnical Engineering Software Activity, Boulder, Colorado
1993 – 1995:	Software Engineer and Lab Administrator Dept. of Civil Engineering, University of Colorado at Boulder
1992 – 1993:	Research Assistant High Performance Scientific Computing Laboratory, Dept. of Computer Science, University of Colorado at Boulder
1990 – 1992:	Assistant Technician and Assembler Boulder Amplifiers, Inc., Boulder, Colorado

Scientific, Technical and Management Performance on Prior Research

Mr. Wagner has a strong background in scientific programming, code optimization, and software design, in addition to hardware experience setting up and interfacing Linux systems, and utilizing analog electronics with digital recorders for data acquisition. He is familiar with a wide array of data formats, along with related conversion and archival methods, and has worked with many types of storage media and filesystems. His present duties at NWRA involve code development in Python, Bash, Perl, IDL, C/C++, various vintages of Fortran (including Coarray), HTML, and SQL on Linux platforms. He has been involved with GPU/CUDA installations, GUI development, and automated systems. Last, he designed and built resistance temperature detectors and battery-operated excitation circuitry, and performed experiments to capture temperature fluctuations in turbulent atmosphere, with Dr. Andreas Muschinski.