

Eric L. Wagner

Professional Preparation

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

Appointments

- 2009 – present: Support Engineer
NorthWest Research Associates, Inc.
CoRA Office, Boulder, Colorado
- 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
Bechtel Computer Aided Design Laboratory,
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

Scientific, Technical and Management Performance on Prior Research

Mr. Wagner has a strong background in scientific programming, code optimization, and software design, with experience in Linux system administration. 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.

Mr. Wagner presently serves as Co-Investigator for NASA HDEE NNX16AR16G, Dr. K.D. Leka (PI), for which he handles all aspects of hardware architecture setup and maintenance for the MCCD instrument data-rescue, in addition to software development for repackaging legacy data products into modern, standardized formats. The MCCD data archive will soon be available to the community through the Virtual Solar Observatory.

Recent Activities

April 2015: University Corporation for Atmospheric Research (UCAR) Software Engineering Assembly Conference/Tutorials: “Python in Scientific Computing”

April 2014: University Corporation for Atmospheric Research (UCAR) Software Engineering Assembly Conference/Tutorials, focused on scientific applications for Python, modern Fortran, and test driven development