BRIAN D. BAER

EXPERIENCE

PROGRAMMER ANALYST, BASSO LAB, MICHIGAN STATE UNIVERSITY (MSU) – 2012 - PRESENT

Added improvements to the SALUS model, including a graphical user interface. Designed and maintained lab websites. Purchased, installed, and maintained computers and software to support researchers and students. Run large model experiments on the campus' High Performance Computer system.

PROGRAMMER ANALYST, BEACON CENTER, MSU – 2010 - 2012

Helped write, run and provide user support for the center's intranet. Organized weekly remote video conference seminars between the five member institutes in the center, as well as smaller meetings. Purchased, setup, and supported computers for center's staff.

PROGRAMMER ANALYST, EXPERIMENTAL EVOLUTION LAB, MSU – 2001 - 2010

Minor modifications the Avida evolution program as well as working with a small team that developed the Avida educational interface. Purchased hardware and wrote custom software to create a cluster of approximately 100 computers. Rewrote and maintained lab's website and intranet.

PROGRAMMER ANALYST, HOMER NOWLIN CHAIR, MSU – 1991 - 2001

Modified the CERES/DSSAT crop model. Lead developer of the SALUS model.

VARIOUS ROLES, THE LISTENING EAR, EAST LANSING, MICHIGAN – 1992 - 2003

Crisis line staff, small group trainer, treasurer, center coordinator and board chair of an 80-120 member all-volunteer, 24/7/365 crisis intervention center.

VISITING RESEARCHER, CSIRO, DIVISION OF WATER RESOURCES, GRIFFITH, NEW SOUTH WALES, AUSTRALIA – 1990-1991

Running CERES crop model for Australian crops and management under current and future weather conditions.

GRADUATE RESEARCH ASSISTANT, CENTER FOR REMOTE SENSING, MSU – 1984-1990

Data entry, conversion and analysis of satellite and GIS data.

EDUCATION

MICHIGAN STATE UNIVERSITY – BACHELOR OF SCIENCE, GEOGRAPHY (CARTOGRAPHY), 1984

SKILLS

Programming Langages: C++, Python, PHP, Perl, FORTRAN

Content Management Systems: Cascade, Word Press, Durpal

Operating Systems: OSX, Windows, various flavors of Unix and Linux

Computer Technologies: XML, SQL (MySQL and SQLite), PyQt, HTML, LaTeX

REFERENCES

Dr. Bruno Basso, MSU Foundation Professor, basso@msu.edu

Dr. Richard Lenski, Hannah Distinguished Professor, lenski@msu.edu

Dr. Charles Ofria, Professor, ofria@msu.edu