

Eric Aitala

WORK EXPERIENCE

Programmer/Analyst, ITS/ASET **2007-Present**

The Pennsylvania State University, University Park, PA

Creation of web applications utilizing perl, Oracle PL/SQL and LDAP. Processing student bursar billing and ITS account billing for ASET services. Maintenance of Signature Station software and hardware. Assist Accounts Office to resolve Penn State Access Account and ITS charge account issues.

Web Developer, Environmental Health & Safety **2006-2007**

The Pennsylvania State University, University Park, PA

Developed instructional web site for Environmental Health and Safety's Chemical Inventory Management System. Maintained Chemtracker web application and provided instruction in its use for various PSU units. Created training documentation and materials, including Flash screen capture videos. Testing and evaluation of web applications - Chemtracker, Zope/Plone, and EH&S Assistant. Provided general IT support.

University Webmaster, Office of Information Technology **1999-2005**

Astronomy Instructor, Department of Physics

University of Mississippi, Oxford, MS

Designed, developed, and maintained multiple web sites, mission critical web applications and user interfaces, including the University web presence and the implementation of SAP's Campus Management system. Collaborated with the Publications Office on web designs for University home page and other unit web sites. Co-chair of University Web Planning Committee. Maintained web servers and software installations, including Apache, Real's Helix Player Server, SSL certificates, PHP and MySQL. Provided ongoing support to departmental webmasters. Formed and oversaw University Webmasters Group. Presented HR enrichment seminars in HTML, Web Design and Dreamweaver. Managed Computer Science student projects. Instructor for Introductory Astronomy, Spring 2005.

Graduate Research Assistant, Department of Physics **1996-1999**

University of Mississippi, Oxford, MS

Programmed on a multi-node, distributed processing computer farm for High Energy Physics research. Created and tested particle analysis and identification subroutines, Monte Carlo simulation data and tape drive software. System administrator for UNIX computer farm, including hardware and HEP software packages.

Graduate Research Assistant, Department of Physics and Astronomy **1993-1995**

Michigan State University, East Lansing, MI

CCD image processing, spectral analysis and data reduction.

Graduate Research and Teaching Assistant, Department of Physics **1989-1993**

University of Mississippi, Oxford, MS

Programmed for Fermilab E-791 experiment, including low voltage monitoring and event display systems. Maintenance of HEP Čerenkov detector hardware and gas systems. Designed, constructed, and maintained Astronomy labs and equipment. Co-authored *Introductory Astronomy Laboratory Manual* with Dr. Donald J. Summers. Taught undergraduate Astronomy laboratory classes for Department of Physics. Maintenance of 15" Kennon refractor and observatory.

EDUCATION

M.S., Ph.D. Physics

1993, 2003

University of Mississippi, Oxford, MS

B.S., Astronomy

1988

The Pennsylvania State University, University Park, PA

SKILLS & QUALIFICATIONS

- Extensive background in information technology and collaborative research projects.
- Development of web sites and web applications using HTML, CSS, MySQL, PL/SQL, perl, PHP, Javascript, XML/XSLT, Java, JSP, C, Unix shell.
- Programming with perl, Fortran, JSP, C, Shell scripting, Java.
- Familiarity and use of Web Content Management Systems including Drupal, PostNuke, Plone/Zope, and Joomla.
- Knowledge of Mac OS X, Unix (Solaris and AIX), and Linux operating systems.
- Proficiency with multimedia desktop software including Adobe CS3 & CS4, iLife and iWork suites, and Final Cut Pro.
- Sole proprietor/webmaster, The Formula 1 Modeling Website, <http://www.f1m.com>, 1995-Present.

REFERENCES

Available Upon Request