

# RYAN A. MOSER

Last updated: 2/5/2012

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## **EDUCATION**

### **The Pennsylvania State University**

**Degree/Major:** B.S. Information Sciences and Technology

**Focus:** Human-Computer Interaction and Interface Design

**Expected Graduation:** May 2012

**Major GPA:** 3.38/4.0

## **WORK EXPERIENCE**

### **Applied Cognitive Science Lab**

(11/2011 - Present)

Webmaster/Research Assistant (acs.ist.psu.edu) Dr. Frank E. Ritter

- Assist in developing cognitive models and intelligent simulations using Soar and ACT-R.
- Responsible for updates, design, and file management of the ACS website.
- Integrated analytic tracking and Wikipedia installations into lab infrastructure.

### **The Pennsylvania State University**

(12/2010 - 12/2011)

Lab Consultant Supervisor

- Design new website functionality and modules using the Drupal content management system.(labconsulting.css.psu.edu)
- Support consultants and end users with software and hardware complications.
- Responsible for maintaining over 3,000 end user machines at the Pennsylvania State University.

### **Professional Website Developer**

(2010 -Present)

ryanmoserdesigns.com (23 clients through 2/2/12)

- Responsible for conceptualization, development, and updates for professional clients ranging from small businesses to 50+ employee size corporations.
- Develop static or dynamic content sites based on client interaction and the needs presented by the client.

### **A.E.S.O.P. Developer**

(9/2010 - 5/2011)

Lead Developer and Interface Designer (aesop.ist.psu.edu) Dr. Sandeep Purao

- Conceptualize and design web based dynamic data mining applications funded by the National Science Foundation.
- Developed tools used for data mining and analysis of undergraduate student's assets in relation to learning/social skills.

### **The Pennsylvania State University**

(8/2008 -5/2010)

Classroom Technology Technician

- Established and maintained video/phone conferencing throughout campus.
- Helped troubleshoot issues and implement enterprise IEEE 802.11 wireless technologies using secure packet certificates.
- Gained experience with Symantec Ghost and BART PE builder for mass imaging of machines on campus.

## **SPECIAL EXPERIENCE**

### **Developed an Artificially Intelligent Java Environment**

(IST 402- Fall 2011)

- Through course study at the Pennsylvania State University I developed the game "Guess Who" using the Soar architecture and Java to make intelligent estimations for real time human interaction.

**Developed several project websites including:** psuproblems.com and mybadhookups.com (75,000 unique visitors)

### **Researched professional social networking development**

(IST 496- Fall 2011)

- Integrated third party API with existing technology for user authentication and course schedule manipulation and social interaction at the Pennsylvania State University (courseconnector.com).

### **Attended Windows Phone O.S. Application Development Seminar**

- Participated in the introduction to tools and best practices associated with windows phone application development.

## **SPECIAL SKILLS**

- Proficient in **PHP, SQL, HTML**
- Experience with: **Java, JavaScript, Ajax, XML, Drupal, C++, C#, Action Script 3.0, HTML 5**
- Experience with: **Windows, Linux, Macintosh, & Unix** operating systems
- Experience in interface design and task analysis using GOMS and KLM models
- Experience with the Soar and ACT-R architectures
- Experience with Google web toolkit as well as open source analytic solutions.
- Knowledgeable in German