

Edward Holsinger

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TECHNICAL SKILLS

Operating Systems

*Comfortable in Microsoft Windows and Mac OS X, experience with *NIX*

Programming

Proficient in Python, PHP. Working knowledge of Prolog, C, Matlab.

- Sole developer of phpExp, a PHP script for easy implementation and data collection for web-based experiments.

- Sole developer of the peytools PYTHON package for large time-series eye-tracking data alignment and analysis.

Web Technologies

Proficient in HTML, CSS, Javascript, PHP & SQL. Experience implementing and customizing Wordpress, Mediawiki, phpBB and other PHP web software. Web development and webmaster experience for both individuals and organizations.

Phonetic Analysis

Trained phonetician. Experienced in the use of Praat and Praat scripting for acoustic analysis.

Statistics

Extensive experience with manipulation and data analysis of large datasets. Proficient in R. Experience with SPSS & Matlab.

Experimental Technology

Extensive experience in designing, implementing and analyzing the results of behavioral experiments.

- 6 years experience in the use of eye-tracking methodologies and technologies.

- Experience performing image analysis on real-time fMRI video

RECENT EMPLOYMENT

Director & Curriculum Developer, English as a Second Language, Advanced Computing Institute

October 2012 - Present

Develop and oversee the execution of a cohesive ESL curriculum, provide professional development and training to ESL faculty, develop and implement systems and procedures for use by the ESL program.

Freelance jQuery/Django Development, Boise State Linguistics Laboratory

June 2013 - Present

Developed an internet based software for data collection, storage and visualization using javascript/ jQuery, python and SQL on Google App Engine.

Instructor, English as a Second Language, POLY Languages Institute

March 2012 - October 2012

Provide adult ESL students with instruction in reading, writing and speaking English.

Freelance PHP Development, Boise State Linguistics Laboratory

June 2012

Implemented a web-based data collection system for an experiment conducted on-site in Israel.

Research Assistant, USC Language Processing Lab, University of Southern California

2006-2008, 2010-2011

Assisted in the design, implementation, and data analysis of psycholinguistic experiments, in the training of new graduate and undergraduate lab members and in the initial setup and maintenance of the lab

Webmaster, Department of Linguistics, University of Southern California

2007-2008

Maintained the departmental website, designed and implemented additional content as needed

RELEVANT EXPERIENCE

Tutorial, Python for Data Analysis, University of Southern California

Spring 2011

Designed and taught a tutorial on using python and the peyetoools library for data analysis

Tutorial, Designing Experiments for the Web, University of Southern California

Fall 2009

Designed and presented a tutorial on web-based experiments and use of the phpExp script

Lab Member, php/SQL Developer, Speech Production and Articulation Knowledge Group, University of Southern California

2007-2009

Participated in the discussion and analysis of real-time fMRI articulatory data; developed web-based tools for the display, search and organization of fMRI data

Webmaster, Graduate Students in Linguistics, University of Southern California

2006-2010

Acted as elected webmaster for the Graduate Students in Linguistics student organization, implemented a customized Wordpress, Mediawiki and phpBB install for use by the organization.

Research Assistant, WinsLab, George Mason University

2001-2002

Assisted in the collection and evaluation of developmental data as well as digitization and digital noise cleaning of various data

Research Assistant, Cognitive Psychology Research Group, George Mason University

2001-2002

Assisted in the collection, coding and evaluation of cognitive psychology data

Faculty mentor, Technology Assistants Program, George Mason University

2001-2002

Assisted faculty in the design and implementation of departmental and personal web applications and the use of technology in research and the classroom

Tutor & Web Designer, University Writing Center, George Mason University

2001-2002

Helped students in a variety of disciplines improve their writing ability. Researched, designed and implemented various web guides to writing in psychology

EDUCATION

University of Southern California

Ph.D. in Linguistics, December 2011

M.A. in Linguistics, May 2007

Oxford University

M.Phil in Linguistics, June 2005

George Mason University

B.A in English, May 2003

B.A. in Psychology, May 2003

PUBLICATIONS, CV AND CODE

See edh.ripelacunae.net