Lwin Moe

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GitHub: http://github.com/lwinmoe, Web: http://lwinmoe.org

Experience

Application Engineer (September 2018 – present)
Southpaw Technology Inc., Toronto, Canada
- Built software components and widgets for open source TACTIC workflow engine in Python (https://github.com/Southpaw-TACTIC/TACTIC)
- Prepared, built and tested data and workflow management sites for clients.
- Ensured software quality through testing (manual and automated unit tests).
- Created technical and user documentation for clients.

Programmer/Database Analyst (February 2011 – January 2018)
The LINGUIST List, Indiana University, USA
- Deployed and maintained database and web servers on the AWS and Google App Engine platforms.
- Implemented and maintained project websites using Python in Django web framework.
- Worked on language modeling and computational linguistic research projects.
- Evaluated and recommended new technologies for the organization.
- Designed and built the infrastructure to collect data for Endangered Language Catalogue Project (with Google and the University of Hawaii) (http://endangeredlanguages.com)
- Extracted and built electronic lexicons for Lexicon Enhancement via the GOLD Ontology project (http://linguistlist.org/projects/lego1.cfm)

Research Assistant (June 2005 – August 2009)
Center for Research in Computational Linguistics, Bangkok, Thailand.
- Designed and implemented Southeast Asian Linguistic Archives (http://sealang.net/sala)
- Designed and implemented Southeast Asian language-related computer tools
- Designed and implemented software to automatically align Thai-English bitext corpora
- Extracted and processed data for Burmese-English dictionary project (http://burmese.sealang.net)
- Assisted in the implementation of Thai, Khmer, Mon, Shan, and Karen dictionaries (http://sealang.net)
- Note: the above projects were funded by the U.S. Department of Education's TICFIA program.

Education

M.A. (Computational Linguistics), Indiana University, Indiana, USA.
M.S. (Computer Science), Asian Institute of Technology, Bangkok, Thailand.
B.S. (Information Systems, Minor: Mathematics), Purdue University, Indiana, USA.

Technologies and Tools

Python (NLTK, scikit-learn, pandas, SpaCy, Flask, Django), Perl, Bash, Java, JavaScripts (React, jQuery, OpenLayers), HTML5, CSS, Linux, Apache, Tomcat, PostgreSQL, MySQL, MongoDB, Amazon Web Services, Google App Engine, GNU Octave, R, Maple.