

Lwin Moe

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<http://lwinmoe.org>

Education

Indiana University, Indiana, USA (December 2010)

- M.A., Computational Linguistics

Asian Institute of Technology, Bangkok, Thailand (May 2009)

- M.S., Computer Science
- Thesis: Automatic Bitext Alignment for Southeast Asian Languages

Purdue University, Indiana, USA (May 2002)

- B.S., Information Systems, minor in Mathematics
- Graduated with highest distinction; Cumulative GPA: 3.85

Experience

Application Engineer (September 2018 - present)

Southpaw Technology Inc., Toronto, Canada

- Prepared, built and tested client data and workflow management sites.
- Built software components and widgets for open source TACTIC workflow engine.
- Ensured software quality through testing (manual and automated unit tests).
- Wrote technical documentation.

Database Analyst/Programmer (August 2014 - January 2018)

Department of Linguistics, Indiana University, USA

- Deployed and maintained database and web servers for research projects on the Google App Engine and Amazon Web Services 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.

Database Analyst/Programmer (February 2011 - August 2014)

Institute of Language Information and Technology, Eastern Michigan University, USA

- Designed and built the infrastructure to collect data for Endangered Language Catalogue Project (with Google and the University of Hawaii) (<http://endangeredlanguages.com>)
- Deployed and maintained database and web servers for research projects on the Google App Engine and Amazon Web Services platforms.
- Lead the team for MultiTree project, visualization of language relationship hypotheses (<http://multitree.org>)
- Administered and maintained the mailing list server (<http://listserv.linguistlist.org>)

Intern (May 2010 -August 2010)

Institute of Language Information and Technology, Eastern Michigan University, USA

- Extracted and built electronic lexicons for Lexicon Enhancement via the GOLD Ontology project (<http://linguistlist.org/projects/lego1.cfm>)
- Researched language relationship hypotheses of Sino-Tibetan languages for MultiTree project (<http://multitree.org>)

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: Most of the above projects were funded by the U.S. Department of Education's TICFIA program.

Information Technology Consultant (December 2004-May 2005)

Digital Divide Data, Vientiane, Laos. (<http://digitaldividedata.com>)

- Provided on-site IT training to Digital Divide Data Laos (DDDL) management team
- Created a detailed IT curriculum for training of DDDL staff
- Authored a manual on the maintenance of DDDL's IT systems

Assistant Lecturer (December 2002-November 2004)

Myanmar Institute of Theology, Rangoon, Burma.

- Taught computer science and mathematics to Bachelor of Arts in Religious Studies (BARS) students
- Assisted in establishing the IT infrastructure at Myanmar Institute of Theology
- Served as a consultant in the areas of curriculum development for BARS program

Computer Skills

- Python (Django, NLTK, Scikit-learn, Fabric), Perl, Java.
- JavaScripts (jQuery, D3, OpenLayers), HTML5, CSS (Bootstrap).
- git
- Linux, Unix, Apache, Tomcat, PostgreSQL, MySQL, MongoDB, Amazon Web Services, Google App Engine.
- GNU Octave, R, Maple.

Language Skills

- Burmese (native), English (near-native), Thai (working knowledge)