

# 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 workflow/data 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 innovative 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

### **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 computational tools for Southeast Asian languages
- 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 (PyTorch, scikit-learn, pandas, NLTK, SpaCy, Flask, Django), Perl, Bash, Java, JavaScripts (React, jQuery, OpenLayers), HTML5, CSS, Linux, Apache, PostgreSQL, MySQL, MongoDB, Amazon Web Services, Google App Engine, GNU Octave, R.