

# Laurel Hart

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*Improving on data-driven computational linguistics through  
knowledge of linguistics.*

## Education

- 2013—2014 **Professional Masters of Science in Computational Linguistics**,  
(expected) *University of Washington*, Seattle, WA.
- Focused on Natural Language Processing and language modeling. Specific topics include:
    - Machine Translation
    - Information Retrieval
    - Question Answering
  - Machine learning algorithms including kNN, Decision Trees, Naïve Bayes, MaxEnt, and SVM
- 2009–2013 **Bachelor of Arts in Applied Linguistics**, *Portland State University*, Portland, OR.
- Minor in Computer Science
  - Honors College
    - Undergraduate thesis: “The Linguistics of Sentiment Analysis”

## Experience

- Winter and **Intern**, *BCL Technologies*, San Jose, CA.  
Summer ○ Researched various topics, including:
- 2012
  - Information Extraction
  - Authorship Attribution
  - Semantic Role Labeling
- Analyzed data for feature selection purposes;
  - Authored demonstration paper replicating previous work on Arabic semantic role labeling
    - Published in *Proceedings of COLING 2012* (see Publications)
- 2011–2013 **Library Technology Assistant**, *Portland State University*, Portland, OR.
- Provided support for staff and student technologies at the University’s Millar Library;
  - Lead five-person student IT team March, 2013 — June, 2013
- 2010–2011 **Apprentice**, *Braindump*, *Portland State University*, Portland, OR.
- Performed IT services for the University’s Computer Science and Engineering department;
  - Attended weekly lectures on various topics pertaining to systems administration and general computer systems knowledge

## Languages

English	French	Mandarin Chinese
Native language	5 years academic study	1 year academic study

## Technical skills

Languages	Tools
Python, C++, Java, L <sup>A</sup> T <sub>E</sub> X, bash	NLTK, Mallet, Vim

## Publications

- 2012 Hart, Laurel, Hassan Alam and Aman Kumar, “Revisiting Arabic Semantic Role Labeling using SVM Kernel Methods” *Proceedings of COLING 2012*. December, 2012: 207—14.  
<http://aclweb.org/anthology//C/C12/C12-3026.pdf>