Laurel Hart

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laurelehart
konayashi

Education

2013—2014 (expected) **Professional Masters of Science in Computational Linguistics**, *University of Washington*, Seattle, WA.
- ○ Focused on Natural Language Processing and language modeling
  - – Specific topics include: Machine Translation, Information Retrieval, and 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 Summer 2012 **Intern**, *BCL Technologies*, San Jose, CA.
- ○ Conducted research on Semantic Role Labeling for Modern Standard Arabic
  - – Authored demonstration paper published in *Proceedings of COLING 2012* (see Publications)
  - – Created annotated linguistic data
- ○ Wrote grant proposals covering range of topics
  - – $80,000 SBIR received for Multi-Lingual Semantic Author Identification
  - – Other research areas: text summarization and spoken language identification
- ○ Analyzed data for feature selection purposes toward automated financial data extraction

2011—2013 **Library Technology Assistant**, *Portland State University*, Portland, OR.
- ○ Lead five-person student IT team March, 2013 — June, 2013
  - – Coordinated student workers to ensured lab support coverage
- ○ Provided support for staff and student technologies at the University's Millar Library
  - – 90 Windows PCs, 36 Windows laptops, 4 Macs, 3 Ricoh printers, 3 scanners

2010—2011 **Apprentice**, *Braindump, Portland State University*, Portland, OR.
- ○ Performed IT services for the University's Computer Science and Engineering department
  - – 137 Windows PCs, 48 Linux PCs, 21 Unix PCs, 8 printers, 3 scanners

Technical skills & selected projects

Languages English, French, Mandarin Chinese

Python Implemented various Machine Learning algorithms, HMM-based POS tagger, basic Word Sense Disambiguation system, CKY recognizer, IRC bot used by 20 users across 2 networks

NLTK Wrote several small-scale CFGs, utilizing features and semantic representations

C++ Learned object-oriented programming; built data structures such as trees and linked lists

Java Experimented with custom classes and inheritance

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