Curriculum Vitae: Jaakko Väyrynen (November 8, 2012)

Aalto University   jaakko.j.vayrynen@aalto.fi
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Department of Information and Computer Science
P.O. Box 15400, FI-00076 Aalto, Finland

Education
- DSc studies in CSE, Mar 2005–2013 (est.), Aalto University School of Science
  - GPA 4.47/5
  - Major: Computer and Information Science, Minor: Language Technology
- BSc studies in Economics, Sep 2009–2017 (est.), Aalto University School of Business
  - GPA 3.39/5, 105/180 ECTS
  - Major: Management, Minor: Quantitative Methods
- MSc degree in CSE, Sep 1999–Jan 2005, Helsinki University of Technology
  - GPA 4.02/5, graduated with distinction
  - Major: Computer and Information Science, Minor: Language Technology
- Upper secondary school, Aug 1995–May 1998, Jokelan lukio, Tuusula, Finland

Professional Experience
- Aalto University (previously Helsinki University of Technology),
  Dept. of Information and Computer Science
  - Researcher, Jun 2005–
    * Research for finding distributional features for words; statistical machine translation
  - Research Assistant, Jun–Aug 2001/2, Oct 2002–May 2003 (part-time), Jun 2003–May 2005
    * Research for finding emergent features for natural images, image sequences and words

Teaching
- Post-graduate course in statistical modeling of natural language (T-61.5020)
  - Part-time lecturer for semesters in 2008–2012
- Special course in language technology (T-61.6090)
  - TA for semester in 2005
- Basic programming course in Scheme (T-93.210)
  - TA for semesters in 2000, 2001 and 2002
  - Course preparation work in summer 2000

Instructed Theses
- Tero Tapiovaara. Normalized Compression Distance in Automatic Evaluation of Machine Translations. Master's Thesis. Aalto University School of Science and Technology. 2010.
- Arto Sinkkonen. Organisaatiossa tarvittavat kielipalvelut ja niiden koneellinen tuottaminen. Bachelor's Thesis. Aalto-yliopisto. 2010.
- Tommi Vatanen. Kielentunnistus lyhyistä tekstilohkoista n-grammi-malleihin perustuvalla luokittimella. Bachelor's Thesis. Teknillinen korkeakoulu. 2009.
- Marcus Dobrinkat. Domain Adaptation in Statistical Machine Translation System via User Feedback. Master's Thesis. Helsinki University of Technology. 2008.
- Kari Tuomainen. Kielen tunnistus tilastollisin menetelmin. Bachelor's Thesis. Teknillinen korkeakoulu. 2008.

Grants and Awards
- Scholarship from Nokia Foundation, 2007
- Scholarship from Emil Aaltonen Foundation, 2007 and 2008
- Award for fast progress in graduate studies from Helsinki University of Technology, 2007
- Scholarship from Nokia Foundation, 2006
- HeCSE stipends (total 4 years) for pursuing graduate studies, 2005 and 2007

Scientific Interests
- Machine learning, unsupervised learning in particular
- Language technology, including statistical machine translation

Conferences and Presentations
- Federated Computer Science Event, May 28–29, 2012, poster presentation
- CICLing, Mar 11–17, 2012, oral presentation
- Machine Translation Twenty-Five Years on, Nov 21–22, 2009, oral presentation
- Machine Translation Summit XI, Sep 10–14, 2007, poster presentation
- International Joint Conference on Neural Networks, Aug 12–17, 2007, poster presentation
- Workshop on Semantic Content Acquisition and Representation, May 24, 2007, oral presentation
- The Ninth Scandinavian Conference on Artificial Intelligence, Oct 25–27, 2006, oral presentation
- Adaptive Knowledge Representation and Reasoning Conference, Jun 15–17 2005, oral presentation
- The 6th Nordic Signal Processing Symposium, Jun 9–12, 2004, oral presentation
- Finnish Artificial Intelligence Conference STeP, Sep 1, 2004, oral presentation

Professional Memberships
- Board member of the Finnish Artificial Intelligence Society

Language skills
- Finnish: Native
- English: Excellent
- Swedish: Moderate
- German: Basics