

Aarne Talman

Curriculum Vitae

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Education

- 2018–2022 **PhD in Language Technology**, *University of Helsinki*, Finland.
2005–2007 **MSc in Computational Linguistics and Formal Grammar**, *King's College London*, United Kingdom.
Degree grade: Distinction
2002–2012 **BSc in Philosophy**, *London School of Economics*, United Kingdom.
Degree grade: First Class Honours

Work experience

- Jan 2019 - **Teaching Assistant**, *University of Helsinki*, Helsinki.
Present Teaching assistant and lab advisor on BSc and MSc level NLP courses at University of Helsinki.
Jan 2019 - **CEO and Founder**, *Basement AI*, Helsinki.
present AI and NLP consulting and advisory.
Mar 2018 - **Salaried PhD Researcher**, *University of Helsinki*, Helsinki.
Present Research on natural language understanding and sentence representation learning with cross-lingual grounding.
Apr 2016 - **Associate Director, Consulting**, *Gartner*, Helsinki.
Dec 2018 Nordic analytics consulting practice lead.
Sep 2015 - **Senior Consultant**, *Gartner*, Helsinki.
Mar 2016 Digital and technology strategy consulting.
Jun 2012 - **Consultant**, *Accenture*, Helsinki.
Aug 2015 Technology strategy consulting.
Oct 2011 - **Research Student**, *London School of Economics*, London.
May 2012 Research on the reliability of chaotic mathematical models used in climate science and economics.
Dec 2009 - **Product Manager, Search Platform**, *Nokia*, Helsinki.
Sep 2011 End-to-end responsibility of Nokia's enterprise search platform.
Jan 2008 - **Manager, Architecture and System Design**, *Nokia*, Helsinki.
Nov 2009 Leading the development of architecture and system design tools in Nokia R&D.
Nov 2006 - **Systems Analyst**, *Tieto*, Helsinki.
Dec 2008 Software development for banking and insurance clients.
Aug 2006 - **Software Developer**, *Valuatum*, Helsinki.
Oct 2016 Development of Valuatum's equity analysis solution.

Teaching

- Jul 2019 **Course Monitor (Teaching Assistant)**, *The 9th Lisbon Machine Learning School, Instituto Superior Técnico (IST)*, Lisbon.
Mar 2019 - **Teaching Assistant, Machine learning for linguists**, *University of Helsinki*, Helsinki.
Apr 2019 Instructor: Mathias Creutz

Mar 2019 - **Teaching Assistant, A practical introduction to modern neural machine translation,**
Apr 2019 *University of Helsinki*, Helsinki.
Instructors: Jörg Tiedemann, Yves Scherrer and Alessandro Raganato

Peer Reviewed Publications

Talman, Aarne and Yli-Jyrä, Anssi and Jörg Tiedemann, 2019, Sentence Embeddings in NLI with Iterative Refinement Encoders, *Natural Language Engineering*, forthcoming

Talman, Aarne and Stergios Chatzikyriakidis, 2019, Testing the Generalization Power of Neural Network Models Across NLI Benchmarks, under review.

Invited Talks

March 2019, Neural Network models of NLI fail to capture the general notion of inference, *CLASP Seminar*, University of Gothenburg.

Other Talks

October 2018, State-of-the-Art Natural Language Inference Systems Fail to Capture the Semantics of Inference, *Research Seminar in Language Technology*, University of Helsinki.

September 2018, Natural Language Inference with Hierarchical BiLSTM's, *FoTran2018*, University of Helsinki.

November 2017, Natural Language Inference - Another Triumph for Deep Learning?, *Research Seminar in Language Technology*, University of Helsinki.

Reviewing

2019 ***SEM 2019**, *The Eighth Joint Conference on Lexical and Computational Semantics*.