

## Personal details and date of CV

Surname: Koho

First names: Mikko Kristian

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[Google Scholar](#)

Date of CV: 15.01.2023

## Degrees

- **Doctor of Science (Technology)**, Computer Science, Aalto University School of Science, Espoo, Finland, 18.06.2020. Contact details: Päivi Koivunen (Registrar), Aalto University, P.O.Box 1100, FI-00076 AALTO, Finland, <http://www.aalto.fi>.
- Master of Science, Computer Science, degree programme *Algorithms, Data Analytics and Machine Learning*, University of Helsinki, Finland, 17.06.2015.
- Bachelor of Science, Computer Science, University of Helsinki, Finland, 23.01.2015.
- Bachelor of Engineering, Media Technology, EVTEK University of Applied Sciences, Finland, 19.12.2007.

## Current employment

- **Data Scientist/Software Developer**, Valuemotive Oy, Helsinki, starting 02.01.2023  
Work on a project relating to legal data, natural language processing, and human-computer interaction.

## Previous work experience

- **Staff Scientist**, Aalto University, Department of Computer Science, Espoo, Finland, 16.08.2021–10.01.2023. Stage III of the academic research career. Research in applying Linked Data in Digital Humanities projects in the domains of military history, Finnish parliament, Finnish legislation. Leading a research team in reconstructing Finnish 19<sup>th</sup> century letter exchange networks.
- **Project Technical Consultant**, University of Pennsylvania, 04.01.2021–31.07.2022, part-time (~1–4 hours per week). Consulting on metadata integration, data modelling, Linked Open Data, and Wikibase for the *Digital Scriptorium 2.0* project.
- **Postdoctoral researcher**, University of Helsinki, Department of Digital Humanities, HELDIG – Centre for Digital Humanities, Helsinki, Finland, 01.01.2020–15.08.2021. Computer science research in Digital Humanities projects applying Semantic Web technologies in the domains of Finnish parliament, Finnish legislation, archaeology, and history.
- **Doctoral candidate**, Aalto University, Department of Computer Science, Espoo, Finland. Doctoral research in Semantic Computing Research Group (SeCo) under the supervision of Professor Eero Hyvönen involving mostly digital humanities projects, e.g., WarSampo ([www.sotasampo.fi/en](http://www.sotasampo.fi/en)). Doctoral thesis titled *Representing, Using, and Maintaining Military Historical Linked Data on the Semantic Web*. 10.06.2015 – 31.12.2019 (part-time 2015)
- **Applications specialist**, CSC – IT Center for Science Ltd., Espoo, Finland. Mostly software development on *Etsin*, an online national research data finder based on the open-source data portal software CKAN. Also, conducting and completing a master's thesis study on Linked Data. 08.05.2013 – 31.12.2015 (including both part-time and full-time)
- Research assistant, Aalto University, Department of Media Technology, Finland. 01.09.2012 – 31.12.2012 (part-time)
- Research assistant, University of Helsinki, Department of Computer Science, Finland. 14.05.2012 – 31.08.2012

- IT designer, University of Helsinki, Department of Computer Science. Software development for a research project in biological taxonomies at the Finnish Museum of Natural History, Biodiversity Informatics Unit.  
06.04.2009 – 31.08.2010
- Web designer, Daimler Finland Oy, Helsinki, 5.6.2006 – 22.7.2008
- Web programmer, EVTEK Learning Industry unit, 28.6.2004 – 31.5.2005

## Language skills

- Finnish: mother tongue
- English: good knowledge, EVTEK University of Applied Sciences, spoken and written  
19.12.2007
- Swedish: good knowledge, EVTEK University of Applied Sciences, spoken and written  
19.12.2007
- German: beginner level

## Research funding and grants

- Significant contribution in writing a consortium grant proposal for the Academy of Finland (Constellations of Correspondence project) as PI at the University of Helsinki, rated outstanding (6/6) and **awarded funding**, 2021, 838 211 EUR (total sum for three partner organizations)
- Aalto university, Scholarship for completing the doctoral degree, 2020, 2000 EUR
- Terijoki Trust, encouragement grant for doctoral thesis, 2019, 1500 EUR
- Contribution in the preparation of a research group proposal for the Academy of Finland, rated *excellent* (5/6), 2018
- Aalto university, Scholarship for the first refereed article of doctoral studies, 2016, 500 EUR
- The Helsinki Doctoral Education Network in Information and Communications Technology, travel grant, 12th Semantic Web Summer School, 2016, 940 EUR
- The Helsinki Doctoral Education Network in Information and Communications Technology, travel grant, 13th Extended Semantic Web Conference, 2016, 2210 EUR

## Research output

- 51 peer-reviewed scientific publications: 8 journal articles, 2 book chapters, 41 conference papers. Also, one non-refereed scientific journal article, two articles in trade journals and a doctoral thesis and a master's thesis.
- List of publications available at <https://bit.ly/3H86E0t>

## Awards and honors

- Scientific Communication Award, *Aalto University School of Science*, 2022
- Best Paper candidate, *The 20th International Semantic Web Conference*, 2021
- Nominations from both dissertation pre-examiners for passing with distinction, 2020
- Distinguished short paper award, *Digital Humanities in the Nordic Countries 3rd Conference*, 2018
- Open Data Prize, *Linked Open Data in Libraries, Archives & Museums Challenge*, 2017
- Best paper award, *Workshop on Humanities in the Semantic Web*, 2016
- Best paper award, *Workshop on Semantic Publishing*, 2014

## Teaching experience and pedagogy studies

- Pedagogy courses completed
  - A! Peda Intro (5 credits), Aalto University, 2022
  - UP 2.1 Constructive Alignment in Course Design (5 credits), University of Helsinki, 2021
  - UP 1 Learning in Higher Education (5 credits), University of Helsinki, 2021
- Coordinator, Computer Science BSc Thesis Seminar, Aalto University, 2022–2023

- Group Leader, University of Helsinki, Digital Humanities Hackathon,
  - Group *Epistolary exchanges*, 2022
  - Group *Politics and place in the Finnish parliamentary debates*, 2021
- Lecturer, University of Helsinki, Faculty of Arts, Department of Digital Humanities: Linked Data for Digital Humanities, master level, 5 credits, 2021 & 2022
  - Responsible teacher, course design and planning, 2021
  - Student average overall course assessment 4/5 “Very good course”, 2021
- Course assistant, Semantic Web, Aalto University, master level, 5 credits, 2016–2020
- Authoring learning material for the Linked Data School online course, 2016–2017
- Doctoral dissertation advisor, Aalto University, School of Science, Department of Computer Science, 2020–, 3 students in progress
- Master's thesis advisor, Aalto University, School of Science, Department of Computer Science, 2022–, 1 student in progress
- Bachelor's thesis instructor, Aalto University, School of Science, Department of Computer Science, 2017–2022, 3 graduated students

## Other academic merits

- *Biographical Data in a Digital World 2022 (BD 2022)* Workshop, Main organizer and the Programme Committee chair
- Member of the *DCMI Education Committee*, 2021–
- Member of Program Committee, *Knowledge Capture* conference, 2019
- 6 Peer reviews for international scientific journals
  - Journal on Computing and Cultural Heritage, Association for Computing Machinery, 2022
  - International Journal of Humanities and Arts Computing, Edinburgh University Press, 2021
  - Journal of Open Humanities Data (2 reviews), Ubiquity Press, 2021
  - Semantic Web Journal, IOS Press, 2020
  - Egyptian Informatics Journal, Elsevier, 2019
- Peer reviewer for international scientific conferences and workshops, 41 papers and abstracts in total, 2017–
- Selected collaborations with national memory institutions in various research projects:
  - National Archives of Finland, several projects, 2014, *ongoing*
  - Finnish Heritage Agency, SuALT project, 2017–2021
  - Ministry of Justice, LawSampo project, 2020, *ongoing*
  - Finnish Literature Society, CoCo project, 2021, *ongoing*
  - National Gallery, CoCo project, 2021, *ongoing*
  - Svenska litteratursällskapet i Finland, CoCo project, 2022, *ongoing*
- International research collaboration
  - In the Mapping Manuscript Migrations project: *University of Oxford, the University of Pennsylvania, and the Institut de Recherche et d’Histoire des Textes* (Paris, France), 2017–2020
  - InTaVia project: *Danube University Krems, Vrije Universiteit Amsterdam, Research Centre of the Slovenian Academy of Sciences & Arts, University of Southern Denmark, Austrian Academy of Sciences, University of Stuttgart, Fluxguide Ausstellungssysteme GmbH*, 2020–