Curriculum Vitae

1. Personal details and the date of the CV

- Pohjankukka
- Jonne Jan-Erik
- ORCID ID: 0000-0002-5808-2577
- Date of CV: 22.1.2022

2. Degrees

- Doctor of Philosophy - Ph.D. (15.6.2018), Computer science (data analysis, machine learning), Department of Computing, University of Turku (www.utu.fi)
- Master of Science - M.Sc. (2014), Computer science (data analysis, machine learning), Department of Computing, University of Turku (www.utu.fi)
- Bachelor of Science - M.Sc. (2013), Computer science (data analysis, machine learning), Department of Computing, University of Turku (www.utu.fi)

3. Other education and expertise

- Software development, guest editor of scientific journals, certified dance sport teacher

4. Language skills

- Finnish (native)
- English (professional level)
- Russian (Good)
- Swedish (Satisfactory)

5. Current employment

- Senior Scientist, coordinator of machine learning method services, Natural Resource Institute Finland, 2020-
- Senior Researcher (postdoc), data-analytics, Department of Computing, University of Turku, 2012-

6. Previous work experience

- VTT SenseWay, Lead AI Data Scientist, 2020
- Kongsberg Maritime, Ship intelligence unit, Machine Vision Engineer, 2019
- Avoltus Oy, Software engineer, 2011

7. Career breaks

- None

8. Research funding and grants

- Nokia Foundation Scholarship award, 2014

9. Research output

- Total number of publications: 15
- List of publications at: https://research.utu.fi/converis/portal/detail/Person/1097017?auxfun=&lang=fi_FI
- Five current top publications according to Google Scholar:
    - Estimating the prediction performance of spatial models via spatial k-fold cross validation, 2017, International Journal of Geographical Information Science
    - Radiomics and machine learning of multisequence multiparametric prostate MRI: Towards improved non-invasive prostate cancer characterization, 2019, PLoS One
    - Predictability of boreal forest soil bearing capacity by machine learning, 2016, Journal of Terramechanics
    - Towards dynamic forest trafficability prediction using open spatial data, hydrological modelling and sensor technology, 2020, Forestry: An International Journal of Forest Research
    - Arctic soil hydraulic conductivity and soil type recognition based on aerial gamma-ray spectroscopy and topographical data, 2014, 22nd International Conference on Pattern Recognition

10. Research supervision and leadership experience

- Bachelor and Master's theses supervisor
- Project manager
- Coordinator of machine learning method services
- Coordinator of co-development work of computer vision solutions (Luke, Syke, MML, Kavi, Finnish Defence Forces)

11. Teaching merits

- Guest and assistant lecturer on courses of data-analysis and machine learning, Department of Computing, University of Turku
- Lecturer at Natural Resource Institute Finland (Luke)

12. Awards and honours

- Nokia Foundation Scholarship award, 2014

13. Other key academic merits, such as:

- Referee for scientific publications
- Guest Editor (MDPI, Sensors)
- Significant invited international lectures
- Organizing scientific conference: Droonit maa- ja metsätaloudessa, 2018, Naantali, Finland.

14. Scientific and societal impact

- None to report

15. Other merits

- Finnish Defence Forces: military police training