CURRICULUM VITAE

PERSONAL INFORMATION

Name	Parkkinen, Juuso Antero
Address	
Phone	
Nationality	Finnish
Date of Birth	
E-mail	juuso.parkkinen@iki.fi
Homepage	http://ouzor.github.io
Blog	http://ouzor.github.io/blog/
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EMPLOYMENT HISTORY

Date	1.10.2017 – present
Name of the employer	**Nightingale Health Oy**
Role	**Senior Data Scientist**
Job description	Data science, probabilistic modeling, research & development

Date	3.11.2014 – 12.9.2017
Name of the employer	**Reaktor Innovations Oy**
Role	**Senior Data Scientist**
Job description	Data science, AI design, data-driven business development

Date	1.8.2014 – 24.10.2014
Name of the employer	**Avaus Consulting OY**
Role	**Senior Data Analyst**
Job description	Data analytics

Date	21.5.2007 – 31.3.2014
Name of the employer	**Aalto University School of Science** **Department of information and Computer Science,** **Helsinki Institute for Information Technology HIIT**
Role	**Researcher, doctoral student**
Job description	Developing and applying probabilistic models for molecular medicine applications

Date	17.5 - 31.8.2006
Name of the employer	Laboratory of Computational Engineering, Helsinki Univ. Tech.
Role	Research student

Date	16.5 - 6.8.2005
Name of the employer	Inex Partners Oy, Karantie 2, Espoo
Field	Dried product logistics
Job description	Logistics worker

Date	8/2004 - 5/2005
Name of the employer	Olari Secondary School, Olarinniityntie 4, Espoo
Job description	Substitute teacher

SPARE TIME PROJECTS

Projects	**Louhos and rOpenGov**
Role	**Co-founder and developer**
Description	Developing open source tools for accessing, processing, analyzing and visualizing open data
Details	http://louhos.github.io/, http://ropengov.github.io/

PUBLICATIONS	**All of my publications at Google Scholar:** https://scholar.google.com/citations?user=4d5VBfkAAAAJ
	A transcriptomics data-driven gene space accurately predicts liver cytopathology and drug-induced liver injury Pekka Kohonen, Juuso A. Parkkinen, Egon L. Willighagen, Rebecca Ceder, Krister Wennerberg, Samuel Kaski, and Roland C. Grafström Nature Communications 2017, 8:15932 https://dx.doi.org/10.1038%2Fncomms15932
	Cross-organism toxicogenomics with group factor analysis Tommi Suvitaival, Juuso A Parkkinen, Seppo Virtanen, and Samuel Kaski Systems Biomedicine 2014, 2:e29291 http://dx.doi.org/10.4161/sysb.29291
	Probabilistic drug connectivity mapping Juuso A Parkkinen and Samuel Kaski BMC Bioinformatics 2014, 15:113 http://dx.doi.org/10.1186/1471-2105-15-113
	Comprehensive data-driven analysis of the impact of chemoinformatic structure on the genome- wide biological response profiles of cancer cells to 1159 drugs Suleiman A Khan, Ali Faisal, John P Mpindi, Juuso A Parkkinen, Tuomo Kalliokoski, Antti Poso, Olli P Kallioniemi, Krister Wennerberg and Samuel Kaski BMC Bioinformatics 2012, 13:112 http://dx.doi.org/10.1186/1471-2105-13-112
	Graph Visualization With Latent Variable Models Juuso Parkkinen, Kristian Nybo, Jaakko Peltonen and Samuel KaskiIn MLG '10: Proceedings of the Eighth Workshop on Mining and Learning with Graphs. Washington, D.C. 2010 http://dx.doi.org/10.1145/1830252.1830265
	Searching for functional gene modules with interaction component models Juuso A Parkkinen and Samuel Kaski BMC Systems Biology 2010, 4:4 http://dx.doi.org/10.1186/1752-0509-4-4

EDUCATION

Date	6.10.2009 – 16.10.2014
University	**Aalto University School of Science**
Degree	**Doctor of Science (Technology)**
Research field	Bioinformatics
Doctoral thesis	Probabilistic components of molecular interactions and drug responses

Date	1.9.2004 - 28.9.2009
University	**Helsinki University of Technology**
Degree	**Master of Science (Technology)**
Major	Bioinformatics and Computational Systems Biology
Minor	Strategy and International Business
Grade average	Very good, master's degree awarded with distinction

Date	1.4.2008 - 31.7.2008
University	Technical University of Munich, Germany
Degree programme	Bioinformatics (exchange student, Erasmus programme)

Date	8/2000-6/2003
Name of the school	Olari upper secondary school
Major	Natural sciences
Degree	Secondary school graduate

DATA SCIENCE SKILLS

Core expertise	Machine learning, probabilistic modeling, Bayesian statistics and data analysis, information visualization, network analysis, natural language processing, text mining, bioinformatics, web scraping
Scientific programming and data wrangling	R (expert), Python, SQL
Data science tools	R, Python, SQL, git, GitHub, Tableau

LANGUAGE SKILLS

First language	Finnish
English	Fluent
German	Very good
Swedish	Good