

Tero Juhani Keski-Valkama, MSc

Hacker / Machine Learning Generalist / Innovator in Software

20+ years of experience in software engineering, machine learning and leadership

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Recommendations available in [LinkedIn](#).

Degrees

Master of Science (technology)

Tampere University of Technology,
2008

Major:

Software Engineering

Minor:

Technical Mathematics

6 months of international studies:

Universiti Sains Malaysia

Postgraduate studies

Tampere University of Technology

Subject:

Deep learning: Applying modern machine learning to
industrial log anomaly detection

Minors:

Learning systems

Signal processing

Publications

Procedia Computer Science, December 2017:

["A Simulator for Event-oriented Data in Flexible Assembly
System Fault Prediction"](#)

Master's thesis:

["Carbook: A Platform for Mobile Automotive Services"](#)

5 patents, 8+ patent applications, several white papers,
scientific and corporate blog articles

Awards & achievements

1st place in #IndustryHack / #CargoHack at #HackTheSea at
MacGregor, 2016

3rd place in #SpaceTyckiting @Futurice, 2016

1st place in #IndustryHack at #HackTheFactory at Fastems, 2015

2nd and final online round in Facebook Hacker Cup 2011 (placed
182th)

3 customer satisfaction awards (Nice-business Solutions Oy,
2009, 2010, 2011)

13 invention awards (Elektrobit, HERE Technologies)

Work experience

Day Jobs	Side Hustles
<p><u>HERE Switzerland GmbH</u> Lead ML & AI engineer 2018-07-01 – 2022-04-30 Wollishofen, Zürich, Switzerland AI and machine learning. Deep reinforcement learning. Geolocation, maps.</p> <p><u>Cybercom Finland Oy</u> Software architect, advisory consultant, speaker, organizer 2012-12-03 – 2018-06-30 Tampere, Finland Machine learning, blockchain, Machinebook, industrial processes, suomi.fi, National Service Bus, web technologies, JavaEE, node.js, docker</p> <p><u>Nice-business Solutions Oy</u> Technical architect 2009-07-22 – 2012-11-30 Tampere, Finland Modern web technologies consulting, enterprise systems, ScrumMaster, assistant project manager, sales support</p> <p><u>Elektrobit Oyj</u> Design engineer / Research Engineer 2007-08-27 – 2009-07-22 Tampere, Finland DSP software development and testing, Next generation internet infrastructure for context-sensitive services in car environment, Semantic Web</p>	<p><u>Sentido Emotions Technologies Ltd & Sentido X-Tech Ltd</u> Chief Technology Officer (CTO), partner 2018-03-15 – 2019-01-11 (part-time) Finland Systems and architectures, artificial intelligence, deep learning, signal processing, embedded and mobile devices</p> <p><u>AI Morning</u> Organizer 2017-10-01 – 2018-10-05 (part-time) Tampere, Finland Being one of the main organizers of AI Morning (http://aimorning.fi), with over 100 guests in each event</p> <p><u>Neter</u> Founder 2009-03-01 – (part-time) Finland Deep learning, modern web technologies consulting, TensorFlow, node.js, Ionic, Phaser, Cordova</p> <p><u>Kurikan Kaupunki</u> Information Technology Course Teacher 2001-06-01 – 2001-06-30 Kurikka, Finland Taught 10-14 year-old students Java programming and basics of computing.</p>

Finnpos Systems Oy**Project manager**

2005-04-11 – 2006-11-24

Tampere, Finland

Project responsibility, scheduling, architectural design, and programming for the Finnpos F2 payment terminal, Linux kernel driver for LG USB touchscreen, VoIP system using Speex-codec.

Finnish Air Force**Air Force Weather Corporal**

2002-01-01 – 2003-01-01

Finland

Military training, leadership training, squad leadership, flight weather observation, METAR/SYNOP weather data.

Kurikan Kaupunki**Information Technology Course Teacher**

2000-06-01 – 2000-06-30

Kurikka, Finland

Taught 10-14 year-old students Java programming and basics of computing.

Kurikan Kaupunki**Information Technology Course Teacher**

1999-06-01 – 1999-06-30

Kurikka, Finland

Taught 10-14 year-old students Java programming and basics of computing.

Kurikan Ryhti**Web Developer / 3D Video Modeller / Print Advertisement Designer**

01-01-1999 – 01-01-2001 (part-time)

Kurikka, Finland

Developed a web site and video/print ads.

Turvapalvelu M. Savela Ky**Accounting Software Engineer**

01-01-1998 – 01-01-1999 (part-time)

Kurikka, Finland

Accounting software customization. Database programming. Billing, accounting.

Positions of trust

HERE Technologies: Patenting Mentor, 2020 –

HERE Technologies: Machine Learning Competitions Organizer, 2020 –

HERE Technologies: Site Representative, Switzerland, 2020 –

Coursera / Princeton University, Bitcoin and Cryptocurrency Technologies: Mentor, 2017 – 2018

Cybercom Finland Oy, Machine Learning guild: Guildmaster, 2016 – 2018

Cybercom Finland Oy: Vice Representative of Employees in the Corporate Board, 2015 – 2018

Polyamoria – Tampere: Organizing monthly meet ups for ~160 members, 2014 – 2018

Condominium Malminkallio: Deputy Member of the Board, 2011

Roboteam: Vice Chairman, 2005

Language skills

Finnish: mother tongue

English: fluent

Swedish: good

Japanese: basics

German: basics