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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+41 79 208 9540

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
 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
HERE Technologies **Lead ML & AI engineer** 2018-07-01 — 2022-04-30 Wollishofen, Zürich, Switzerland AI and machine learning. Deep reinforcement learning. Geolocation, maps. **Cybercom Finland Oy** **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 **Nice-business Solutions Oy** **Technical architect** 2009-07-22 — 2012-11-30 Tampere, Finland Modern web technologies consulting, enterprise systems, ScrumMaster, assistant project manager, sales support **Elektrobit Oyj / WS ETA System Engineering / Technology Organization** **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	**Sentido Emotions Technologies Ltd & Sentido X-Tech Ltd** **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 **AI Morning** **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 **Neter** **Founder** 2009-03-01 — (part-time) Finland Deep learning, modern web technologies consulting, TensorFlow, node.js, Ionic, Phaser, Cordova **Kurikan Kaupunki** **Information Technology Course Teacher** 2001-06-01 — 2001-06-30 Kurikka, Finland Taught 10-14 year-old students Java programming and basics of computing.

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.

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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
Kurikka, Finland
Developed a web site and
video/print ads.

Savela Vartiointi
Accounting Software Engineer
01-01-1998 — 01-01-1999
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