

Tero Juhani Keski-Valkama, MSc

Hacker / Machine Learning Generalist / Innovator in Software

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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

Article:
[“A Simulator for Event-oriented Data in Flexible Assembly System Fault Prediction”](#)
Whitepaper:
[“Securing LAN Connected Devices in Industrial Sites with TLS and Multicast DNS”](#)
Master's thesis:
["CARBOOK: A PLATFORM FOR MOBILE AUTOMOTIVE SERVICES"](#)

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)
1 invention award (Elektrobit)

Work experience

HERE Technologies

2018-07-01 –

Wollishofen, Zürich, Switzerland

Lead ML & AI engineer

AI and machine learning. Deep reinforcement learning. Geolocation, maps.

Sentido Emotions Technologies Ltd

2018-04-20 – 2019-01-11 (part-time)

Finland

Chief Technology Officer (CTO), partner

Systems and architectures, artificial intelligence, deep learning, signal processing, embedded and mobile devices

Sentido X-Tech Ltd

2018-03-15 – 2019-01-11 (part-time)

Finland

Chief Technology Officer (CTO), partner

Systems and architectures, artificial intelligence, deep learning, signal processing, embedded and mobile devices

AI Morning

2017-10-01 – 2018-10-05 (part-time)

Tampere, Finland

Organizer

Being one of the main organizers of AI Morning (<http://aimorning.fi>), with over 100 guests in each event

Cybercom Finland Oy

2012-12-03 – 2018-06-30

Tampere, Finland

Software architect, advisory consultant, speaker, organizer

Machine learning, blockchain, Machinebook, industrial processes, suomi.fi,

National Service Bus, web technologies, JavaEE, node.js, docker

Nice-business Solutions Oy

2009-07-22 – 2012-11-30

Tampere, Finland

Technical architect

Modern web technologies consulting, enterprise systems,

ScrumMaster, assistant project manager, sales support

Neter

2009-03-01 – (part-time)

Finland

Founder

Deep learning, modern web technologies consulting,

TensorFlow, node.js, Ionic, Phaser, Cordova

Elektrobit Oyj / WS ETA System Engineering.

2008-07-01 – 2009-07-22

Tampere, Finland

Design engineer

DSP software development and testing

Elektrobit Oyj / TEO.

2008-04-01 – 2008-06-30

Tampere, Finland

Research engineer

Next generation internet infrastructure for context-sensitive services in car environment,
Semantic Web

Elektrobit Wireless Communications Oy.

2007-08-27 – 2008-03-31

Tampere, Finland

Design engineer

DSP software development and testing

Finnpos Systems Oy

2005-04-11 – 2006-11-24

Tampere, Finland

Project manager

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

2002-01-01 – 2003-01-01

Finland

Air Force Weather Corporal

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

Positions of trust

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

Deputy member of the board of the housing company Malminkallio
2011

Roboteam, vice chairman
2005

Language skills

Finnish: mother tongue

English: fluent

Swedish: good

Japanese: basics

German: basics