

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

1<sup>st</sup> place in #IndustryHack / #CargoHack at #HackTheSea at MacGregor, 2016  
3<sup>rd</sup> place in #SpaceTyckiting @Futurice, 2016  
1<sup>st</sup> place in #IndustryHack at #HackTheFactory at Fastems, 2015  
2<sup>nd</sup> 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 –

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)

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)

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)

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

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

Technical architect

Modern web technologies consulting, enterprise systems,

ScrumMaster, assistant project manager, sales support

### Neter

2009-03-01 – (part-time)

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

Design engineer

DSP software development and testing

### Elektrobit Oyj / TEO.

2008-04-01 – 2008-06-30

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

Design engineer

DSP software development and testing

Finnpos Systems Oy

2005-04-11 – 2006-11-24

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

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