

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

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

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)

13 invention awards (Elektrobit, HERE Technologies)

## 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 & 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 / Technology Organization #**

2007-08-27 – 2009-07-22

Tampere, Finland

**Design engineer / Research Engineer**

DSP software development and testing, Next generation internet infrastructure for context-sensitive services in car environment, Semantic Web

**# 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**

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