

Simo Mäkelä

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DEGREES

METROPOLIA UAS

Bachelor of Engineering (ICT) 2021
Health Technology

METROPOLIA UAS

Registered Nurse, Paramedic 2018
Emergency Care

VUOSAARI UPPER SECONDARY

Matriculation 2001

STUDIES

AALTO UNIVERSITY

ELEC (134 ECTS) 2005 – 2013
Electrical Engineering
Computer Science

SKILLS

LANGUAGES

Finnish: Native tongue
English: Full working proficiency ILR scale
Swedish: Limited working proficiency ILR scale
German: Elementary proficiency ILR scale

PROGRAMMING

Python · NumPy · pandas · matplotlib · Keras ·
scikit-learn · R · C · ES6 · Java · C++ · C# · PHP ·
VB · HTML/CSS · XML · ...

TOOLS (ICT)

Git · conda · \LaTeX · Unix · Windows · GCC · ...

MILITARY SERVICE

HELSINKI AIR DEFENCE REGIMENT

Conscript Jul 2002 – Jul 2003
Rank: Corporal (alikersantti)

ONLINE

GITHUB

makes

STACK OVERFLOW

makes

WORK EXPERIENCE

FINNHEMS LTD. / HOSPITAL DISTRICT OF HELSINKI AND UUSIMAA (HUS)

Data Analyst Sep 2020 –
Clinical research: BOPRA study

CENTRAL UUSIMAA RESCUE DEPARTMENT

Paramedic Jun 2018 –
Ambulance Services

KORSISAARI ENSIHOITO OY

EMS Provider Aug 2017 – Jun 2018
Patient transport, inter-facility

SEURE HENKILÖSTÖPALVELUT OY

Practical Nurse Apr 2017 – Jun 2018
Helsinki city hospitals

ELEKTROPLAN OY

Programmer Analyst Jun 2006 – Dec 2014
embedded software development · product development · electronics design · Microchip® microcon-
trollers · C · Python · Java

NOKIA SIEMENS NETWORKS OY

Developer (embedded systems) May 2009 – Jul 2009
multicore programming · C++ · Solaris

STRÅLFORS INFORMATION LOGISTICS OY

Developer (information systems) May 2007 – Aug 2008
Borland C++ · Java

NOKIA JAPAN CO., LTD. NOKIA RESEARCH CENTER

Developer (embedded systems) May 2004 – Aug 2004
Linux device driver development, display configuration and test software implementation

FORTUM OIL AND GAS OY

IT support service agent May 2001 – Aug 2001
IT support service agent Jun 2000 – Jul 2000
Summer trainee Jul 1999 – Aug 1999
IT Support

NESTE OY

Summer trainee Jun 1998
IT Support

PAPERS

Simo Mäkelä. “Applicability of NIRS tissue oximetry for the assessment of cerebral circulation in prehospital care.” *Metropolia University of Applied Sciences* 2021.

Laura Haapsaari, Emma Immonen, Mia Miettinen, *Simo Mäkelä*. “Computerizing Self-Study of ECG Interpretation – A Survey into Methods and Opportunities.” *Metropolia University of Applied Sciences* 2017.
<http://urn.fi/URN:NBN:fi:amk-2017111116900>