Curriculum Vitae
Mikko Leppänen

Kivimiehentie 2B
04300 Tuusula
Finland
+358 50 408 7703
mleppan23@gmail.com

- I currently work as a test automation specialist at KONE. Mainly my work tasks include writing code with python/robotframework. Previously I have worked with AC drives and motor control.
- I am interested in programming and open source. I constantly try to improve my skills and learn new things whether it's related to some programming language or an open-source scientific computing tool. I have spent significant time developing mobile applications and most of my projects are mobile related. Alongside that I'm also focusing on computer vision/image processing and how to apply them on my new ideas.

Education

MS Tampere University of Technology
2003-2009 Electrical Engineering(Electromagnetics)

Upper Secondary School of Kangasala
1999-2002

Experience

Employment

KONE Software Test Automation Specialist, Software Testing
2018–Present

KONE Software Test Engineer, Software Testing
2016–2018

KONE R&D Design Engineer, Electrical Machines
2014–2016

Vacon Plc R&D Development Engineer
2008–2014

TUT Research Assistant
2007–2008 Tampere University of Technology

updated April 2018

Computing

I am an active developer and I have made several contributions to the open source community. For more information, see my Matlab Central File Exchange and Github profiles:
http://www.mathworks.com/matlabcentral/fileexchange/authors/125461
https://github.com/mikeleppane
Matlab Central File Exchange pick of the week:
http://blogs.mathworks.com/pick/2013/02/22/coding-challenge-on-input-parsing-result/

Skills

- 15 years experience with MATLAB
- +6 years experience with Qt/QML and Modern C++
- Experience with bash, LaTeX, HTML5, CSS3, PHP, SQLite, jQuery, Fortran.
- Scripting: very good knowledge of Python Language, JavaScript
- Technologies: RobotFrameWork, DevOps, OpenCV, Boost, OpenMP, MPI, PyQt, NumPy, SciPy, Matplotlib
- Tools: GCC, LLVM/Clang, Git, Doxygen, Ansible
- Operating systems: Linux (Ubuntu), Windows 7/8 and Sailfish OS

Scientific simulation software

Ansys Maxwell I have used Maxwell electromagnetic field simulation software many years for various engineering tasks.

Ansys Icepak I have used Icepak for a few years. I have done several different kind of thermal simulations for the AC drives. In addition I have participated in several trainings and seminars related to Icepak/thermal engineering.

Ansys Simplorer I have used Simplorer for the AC drives simulation.

Ansys Q3D I have some experience with Q3D related to busbar simulations.

Courses

ECPE 2011 ECPE/Cluster Tutorial: Part 1 - Thermal Engineering of Power Electronic Systems (Thermal Design and Verification) - Erlangen, Germany

ECPE 2011 ECPE/Cluster Tutorial: Part 2 - Thermal Engineering of Power Electronic Systems (Thermal Management and Reliability) - Erlangen, Germany

XSPIS 2014 Cross platform application development using Qt framework

XSPIS 2014 Become a Developer for Sailfish Operating System: An Introduction

Coursera 2014 High Performance Scientific Computing course

Personal details

Place of Birth: Loviisa, Finland
Nationality: Finnish
Military Service: July 2002 – July 2003

Hobbies

Mountain biking
Indoor rowing
Programming
Gym
Badminton