

Peeta Kiikka

Engineer with versatile Software and Imaging experience.

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📍 Tampere



Work Experience

- **Xiaomi Finland Oy, Senior Software Engineer, 11/2021-**
 - ✓ Imaging software development, tool design and implementation
 - ✓ Simulation software development and algorithm porting
Technologies: Python, PyQt, C++, Git
- **Unikie Oy, Software Engineer, 05/2019-10/2021**
 - ✓ **Customer Android project 04/2020-10/2021**
Android software development
Technologies: Android, Java, Git, Jira
 - ✓ **Customer communication software project 05/2019-03/2020**
Further development of communication software using IS-IS routing protocol with C/C++
Web application development with Javascript using React and Redux
Debug script development with Python
Technologies: C/C++, Javascript (React, Redux), IS-IS protocol, Python, Git, Jira
- **Intel Finland Oy, Imaging Systems Engineer, 09/2012-06/2019**
Engineer in the Imaging Software/Cross-OS team:
 - ✓ Image Quality tuning of the whole camera pipeline for 3 different camera sensors for Intel's Cannon Lake and Ice Lake platforms.
 - ✓ Imaging system simulator development on Windows. I developed a subsystem for combining different components into an imaging system simulator that allows simulation of the complete camera pipeline.
 - ✓ Development of camera control algorithms, such as 3A and various internal algorithms.
Technologies: C/C++, Matlab, Git, Image Quality, Jira, TFS, SVN
- **Digia, Software Engineer, 02/2011-11/2011**
Software implementation and testing in Symbian and Linux environments:
Power measurements on Nokia N9, testing and bug fixing in a Symbian positioning methods project (used by e.g. Nokia Maps application).
Technologies: MeeGo, Symbian, Qt, Avkon, C++, Jira
- **Suomen Teollisuusosa Oy, 02/2010-10/2010**
Designing a distance calculation algorithm for an automated warehouse system and implementing and testing it using Python.
Unit testing for C-code blocks and documentation of different parts of the system.
Technologies: Python, C, SolidWorks

- **Nokia Siemens Networks, Summer Trainee, 05/2009-08/2009**
NetAct system component testing and Linux test automation script development.
Technologies: Perl, Quality Center
- **Tampere University of Technology, Department of Computer Systems, Research Assistant, 06/2006-01/2009**
Research on programmable receivers. Further development of a 3g/WLAN receiver.
Technologies: Matlab, C, VHDL, IEEE 802.11a/b/g

Education

- **Master of Science (tech), Tampere University of Technology, 2010**
Major: Digital and Computer Systems,
Minors: Signal Processing, Computer Networks and Protocols.
Master's Thesis: Design of 802.11g Receiver Mode on Multi-Standard Espresso Platform.
- **Matriculation, Tampereen lyseon lukio, 2001**

Professional Skills

- **Programming languages**
C/C++, Python, PyQt, C#, Java, Javascript (React, Redux), VHDL, SystemC, Assembly
- **Signal Processing**
Matlab
- **Wireless communications**
WLAN standards IEEE 802.11a-n, (W)CDMA
- **VCS**
Git, SVN, TFS
- **Software testing**
Jira, Quality Center
- **Operating systems**
Windows, Linux
- **Methodologies**
Scrum, Image Quality
- **Public Projects**
Partial Color - Windows Phone 7 app – <http://latej.kapsi.fi/windowsphone.php>
Development of the application's image processing algorithms.

Languages

Finnish (native), English (fluent), Swedish (basics)

Hobbies

PC gaming & building PCs, handicrafts, snowboarding, indoor climbing.