

**Joni Räsänen**

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<https://portfolio.jonirasanen.fi>

Born 26.8.1988

CV

04.03.2018

**WORK EXPERIENCE****Project Researcher, Tampere University of Technology, 2016-**

I have been responsible for developing a video call application called Kvazzup. The task involves designing the architecture, adding new media processing libraries, programming the media processing framework and implementing various network protocols that were not available in libraries. A paper on the project was published in a conference in 2017.

**Research Assistant, Tampere University of Technology, 2014-2016**

My task was to implement the recording of a video call to an MP4 file in a special format and the playback of said format. Project included modification to an open source video call software, to an MP4 container library and to the VLC. I wrote my Master's Thesis from this project and a paper on it was published in a conference.

**EDUCATION****Master of Science, Tampere University of Technology, 2014-2016**

Degree program: Information technology; Major: Computer Science, minor: Software Engineering

Master's Thesis: Implementation of Recording and Playback In Video Call

**Bachelor of Science, Tampere University of Technology, 2008-2014**

Degree program: Information technology; Major: Computer Software, Minor: Human-Centered Design.

Bachelor Thesis: Implementation of Stochastic L-system using Python

**Finnish Matriculation Examination, Nurmes Upper Secondary School, 2004-2007****OTHER EDUCATION****Northern Karelia Music Academy. 1998-2005.**

Soloist Major 2/3. Music Theory 3/3. Basic course on music knowledge.

**LANGUAGE SKILLS****Finnish:** Native**English:** Excellent**Swedish:** Elementary**Japanese:** Elementary**IT-SKILLS****Operating Systems:**

Linux (Good),

Windows (Good)

**Office software:**

Powerpoint (Good),

Visual studio (Good),

LaTeX (Good),

Qt Creator (Good),

Git (Very Good)

**Programming:**

C++ (20000 lines),  
C# (4000 lines),  
C (3000 lines),  
Other (500 lines)

**Design software:**

Blender (Elementary)

**MILITARY SERVICE**

Kainuu Brigade, 1st Artillery battery. Rank: Artilleryman.

**HOBBIES**

On my leisure time I like to develop games and I have taken part in several Game Jams. Sometimes I also draw and compose music. With friends I play boardgames, go for a jog or hang out discussing latest news and topics. I helped organize a sustainability organization back in 2014-2016 and I was an election candidate in the 2015 Finnish parliamentary elections.