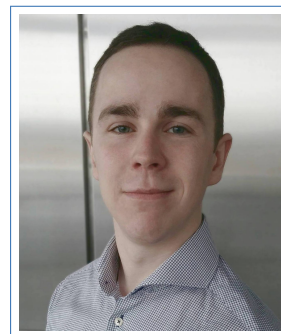


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# Jakub Kvita

## Education

2013

2016

2013

2014

2010

2013

**M.Sc.**, *Brno University of Technology*, Faculty of Information Technology, Brno.

**M.Sc.**, *University of South Wales*, Faculty of Computing, Engineering and Science, Cardiff.

**B.Sc.**, *Brno University of Technology*, Faculty of Information Technology, Brno.

## Experience

2015/7 – 2015/8

**OpenLab Summer Student**, *CERN*, Geneva.

I worked in the *Cloud & Virtualization* team on configuring backends and backups for Openstack Cinder volumes. I used Ceph RBD and TSM clients for backends.

2015/2 – 2015/6

**Quality Assurance Engineer**, *Red Hat*, Brno.

Internship at *REST* team - we had been creating test cases for the Pulp project with REST API Python tests, Nostests and communicated with the developers.

2014

2015

**Quality Assurance Engineer**, *Red Hat*, Brno.

Internship at *Subscriptions* team - content and SKU testing. Testing subscriptions of customers and CDN content with Python and Redmine+Trac. Team was scattered around the world with members in China, India, US and Europe.

## Courses and Certificates

May 2015 Presentation skills. *Soft skills course*.

June 2014 Computer Vision and Intelligent Computer Systems. Intensive course at *University of Burgundy, France*.

May 2013 Cambridge ESOL FCE. *Certificate in english, level C1*.

January 2013 Cisco Certified Network Associate. *Routing and Switching*.

May 2012 Conflicts and Assertivity. *Soft skills course*.

January 2012 Microsoft Certified Technology Specialist: Windows 7, Configuration.

June 2009 Driving License.

## Languages

Czech **native**

English **fluent**

Slovak **proficient**

Russian **pre-intermediate**

*Level C1 certificate. Can use language flexibly and effectively.*

*Able to communicate at social, academic and professional level.*

*Can understand and deal with most common situations.*

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## Skills

|           |   |
|-----------|---|
| Languages | Python, Lua, Java, C/C++, Bash, SQL   |
| Software  | Torch, Git, OpenStack, Ceph, UNIX/Linux, Trac, OpenGL, OpenCV, Matlab   |
| Concepts  | machine learning, software development, virtualization, quality assurance, rendering, 3D modeling, computer vision, databases |

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## Projects

|                 |  |
|-----------------|--|
| OpenMP, OpenMPI | <b>Processor Cooler Simulation, 2015</b> , Brno University of Technology.<br>Parallel simulation of heat diffusion in the cooler mounted on a processor. Two exactly same implementations were created, one with OpenMP library and second using OpenMPI.  |
| rendering       | <b>Chess Renderer using Ray Tracing, 2014</b> , Brno University of Technology.<br>The renderer of the chess model based on ray tracing. Simply input the positions of the figures on board. Model will be configured properly and appropriate scene will be rendered.                              |
| OpenCV          | <b>Automatic Number Plate Recognizer, 2014</b> , Brno University of Technology.<br>Computer vision tool, which takes picture, detect licence plates, use classifier to recognize letters and then write them in the image.   |
| OpenCV          | <b>Video Stabilization, 2014</b> , Brno University of Technology.<br>Command line tool for stabilizing videos. Two different methods - GrayCoded bitplane matching and KLT tracker and SVD.  |
| C, interpreters | <b>Lua Interpreter, 2011</b> , Brno University of Technology.<br>Command-line interpreter - parse input, check syntax, compile to intermediate code and interpret it. Interpreter can deal with most common features of Lua like variables, cycles, functions,.. Can be used for real programming. |

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## Qualities

|                          |  |
|--------------------------|--|
| Personal skills          | Strong analytical and complex thinking, focused on solving the problem, keeping schedule, direct communication and self-reflection - I can admit mistakes and be open-minded.  |
| International Experience | I lived in Cardiff, where I studied for half a year at university with large international community and shared an apartment with many different foreigners. I also attended several courses at universities abroad.<br>Work at Red Hat and at CERN prepared me for cooperation within international team and to collaborate everyday with colleagues from different cultures. |

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## References

### Sebastian Bukowiec

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