

# Bc. Martin Rotter

*Software developer*

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📄 [martinrotter.github.io](https://martinrotter.github.io)



## Education

- 2010–2013 **university education**, *Faculty of Natural Sciences of UP Olomouc*, 17. listopadu 1192/12, Olomouc 771 46, ac. degree *Bc.*  
Field: Applied Computer Sciences (full-time study)  
Department wikipedia contributor
- 2006–2010 **secondary school education**, *Secondary Electrotechnical School*, Gen. Svobody 2, Mohelnice 789 85.  
Field: Electronical systems  
Two-times holder of Best Student award (2. a 3. place).
- 1998–2006 **elementary education**, *Elementary School*, Zábřežská 143, Dubicko 789 72.  
Holder of numerous awards for Best Student of the Class.

## Bachelor's thesis

- title *Qt: Internals and Principles (Qt framework textbook)*
- leader Mgr. Tomáš Kühn
- abstract Qt is one of best-known and mightiest general-purpose libraries available. Its functionality covers each and every thinkable programming area, including threading, graphical interfaces, relational databases, networks, 2D/3D painting and many more. This text aims at one modest task – providing the solid base for learning and understanding Qt by revealing its internals and principles.
- status Thesis was finished successfully.

## Jobs & beneficent works

### Jobs

- october 2016– **Software developer & tester**, *GUBI computer systems s.r.o.*  
Developer of module for communicating with remote web services of certain Slovakian health institution.
- february 2017
- march 2013– **Software architect & developer & tester**, *Praktik SW spol. s.r.o.*  
present Developer of IS for general practitioners and other medicians. Also author of company website <https://praktik.cz>.
- april 2014– **Software developer**, *BuildmLearn India*.  
present Developer of BuildmLearn Toolkit, the application for easy creation of mobile applications.

2010 – 2014 **Desktop applications developer**, *QtDesktop* ([www.qtdesktop.org](http://www.qtdesktop.org)) movement.  
Programming of applications for Windows and Linux operating systems.

Applications:

- RSS Guard (<https://github.com/martinrotter/rssguard>): Fast and lightweight RSS & ATOM feed reader.
- Qonverter (<https://www.github.com/martinrotter/qonverter>): Simple calculator with unusual features.

2011 – 2017 **Private mentor**, “self-employed”, Olomouc.

Algorithm construction, teaching.

- Teaching of algorithm construction.
- Individual help with homeworks.

2012 – 2017 **Programmer**, “self-employed”, Olomouc.

Programming of adaptive desktop applications for Windows and Linux.

Applications:

- QGothic ([github.com/martinrotter/qgothic](https://github.com/martinrotter/qgothic)): Board game for everyone.
- Programs shared via GitHub, [github.com/martinrotter](https://github.com/martinrotter).

### Other

2012 – 2013 **Participant**, *Google Summer of Code 2014*, Olomouc.

Programmer of open-source application, BuildmLearn Toolkit. Job was done as part of Google Summer of Code 2014 event.

leader Pankaj Nathani

blog <https://martinrotter.github.io/#gsoc-2014>

GSoC? Google Summer of Code (GSoC) is an annual program, first held from May to August 2005, in which Google awards stipends (of USD \$5500, as of 2014) to all students who successfully complete a requested free and open-source software coding project during the summer.

abstract BuildmLearn Toolkit is application which allows its users to generate Android applications based on templates. Application was so far developed primarily for Windows platform and is not mature. I would like to rewrite the application, stabilize its code base and port it to Linux, OS2 and Mac OS X.

status Work was successfully completed.

2012 – 2013 **Bachelor thesis assistant**, *Lukáš Otáhal*, Olomouc.

Leadership for blind student to help him finish his Bachelor thesis.

title *Calendar for blind people*

leaders Mgr. Martin Dostál, Ph.D., RNDr. Arnošt Večerka

abstract (in Czech) Kalendář může být důležitým pomocníkem pro každého nevidomého uživatele, který snáze ztratí pojem o čase a naplánovaných aktivitách. Cílem této práce je implementovat jednoduchý a dobře použitelný kalendář pro platformu Windows.

status Thesis was finished successfully.

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### Language skills

Czech native speaker

English intermediate

## Technical skills

Programming language	Seldom usage	Moderate usage	Frequent usage	Ultramaster
C		•		
C++		•		
C#			•	
BASH	•			
ΛT <sub>E</sub> X			•	
HTML & CSS		•		
Java	•			
x68 Assembler (NASM)	•			
NSIS	•			
XML			•	
JSON		•		

Technology & SW	Seldom usage	Moderate usage	Frequent usage	Ultramaster
.NET			•	
Windows Forms (.NET)			•	
WPF (.NET)	•			
Git		•		
Jekyll	•			
SOAP		•		
Qt (w/o QML and QtScript)				•
ASP.NET		•		
Android SDK	•			
LibreOffice	•			
Bootstrap	•			

OS	Seldom usage	Moderate usage	Frequent usage	Ultramaster
Windows			•	
Linux (primarily Arch Linux)			•	
Android		•		

Build system	Seldom usage	Moderate usage	Frequent usage	Ultramaster
CMake		•		
QMake	•			
AUR		•		

I have also used many other stuff in the past, including Jenkins, GitBlit, TortoiseSVN, TortoiseGit, Let's Encrypt, IIS, OBS.

## Interests

typography I love to use ΛT<sub>E</sub>X.

free SW I take part in free SW development with passion.

floorball Simply like to play it.

## Attitude

- responsible

## More information

- class B driver's license

## References

Martin Rotter. KMI/DATA1 lectures transcript. ONLINE, December 2012a. URL <https://github.com/martinrotter/data1-prednasky>.

Martin Rotter. KMI/FJAA lectures transcript. ONLINE, March 2012b. URL <https://github.com/martinrotter/fjaa-prednasky>.

Martin Rotter. Qt: Internals and principles. ONLINE, February 2013. URL <https://github.com/martinrotter/qt-internals-and-principles>.