

# Ronny Brendel

Räcknitzhöhe 32  
01217 Dresden  
Germany

+49 1511 78 73 024 (mobile)  
ronnybrendel@gmail.com

---

## Personal Information

Born on the 11th October 1985 in Meißen, Germany

German citizen

Single

---

## Work Experience

2012–2013 **Chair for Algebraic and Logical Foundations of Computer Science**  
**Student Assistant**

Supervision of an exercise for the undergraduate course Theoretische Informatik und Logik, and the exercise for the course Advanced Logic of the internat. master degree Computational Logic

Development, analysis and implementation of novel barrier protocols

Contributions to multiple small projects

2007–2012 **Center for Information Services and High Performance Computing, TU Dresden**  
**Computer Scientist**

Design, documentation and implementation of a scalable architecture for analysing highly parallel programs – *Vampir* – [www.vampir.eu](http://www.vampir.eu)

Assistance in organising and coordinating the development process

Contributions to *Open Trace Format*, *VampirTrace*, and multiple small projects

Co-authorship of the publications *Introducing the Open Trace Format (OTF)*, *Memory Allocation Tracing with VampirTrace*, und *Trace File Comparison with a Hierarchical Sequence Alignment Algorithm*

---

## Education

2013–2014 Semester abroad, Vienna UT

2007–today Diploma in Computer Science, TU Dresden

Minor subject: Discrete Mathematics, Algebra & Geometry

2004–2007 Vocational training as a Computer Scientist Specialised in Application Development, Center for Information Services and High Performance Computing, TU Dresden

2004 Abitur (german A-level), Franziskaneum grammar school, Meißen

## Technical Skills

Languages: C, C++, C++11, Go, Python, Java, Haskell, Lisp, and many more  
Frameworks: Qt, STL, OpenMP, Message Passing Interface, Django  
Tools: Vim, Git, Valgrind, numerous Unix console tools, Latex, TikZ, Graphviz, Visual Studio  
Miscellaneous: High Performance Computing, Model Checking, Algorithms, API-, UI design

---

## Interests & Activities

Personal programming projects can be found at [github.com/hydroo](https://github.com/hydroo)  
I ask and answer technical questions on [stackoverflow.com/users/14114/](https://stackoverflow.com/users/14114/)  
125 solved mathematical programming problems on [projecteuler.net/profile/hydro.png](https://projecteuler.net/profile/hydro.png)  
The Go programming language, Qt, Model Checking und discrete mathematics  
Other interests: swimming, running, reading, IT- and business news

---

## Languages

German (native), English (fluent)

---

## References

Available upon request