

Ronny Brendel

Räcknitzhöhe 32
01217 Dresden
Germany

+49 1511 78 73 024 (mobile)
ronnybrendel@gmail.com
www.automaton2000.com

Personal Information

Born on the 11th October 1985
German citizen

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
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
I ask and answer technical questions on stackoverflow.com/users/14114/
125 solved mathematical programming problems on 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