Martin Thoma

Curriculum Vitæ

Work Experience

2013

Scientific lector
LATEX, German and computer science

I've corrected a script for computer engineering.

2012

Tutor for programming
teaching students programming at university

I taught people about 30 students how to program in Java.

2011

Freelancer at KTC
programming for a consulting company

At KTC, I gained first experiences with buisness-logic and a big, but algorithmically not challenging project. To be honest, I only fixed some Java bugs.

2011

Student research assistant at Institute of Toxicology and Genetics, KIT
participating in a university research project

In summer 2011 I worked for over a month for a research project at KIT. I have written bash scripts for file conversions, fixed some bugs and re-written a slow Mathematica script in a much faster Python version. But it quickly turned out that this project had a lot of C++ source which was rarely commented or documented. I realized, that I wouldn't have time for this project after beginning my studies at university.

since 2011

Freelance Work
building an online service

I have started to work as a freelancer at the beginning of 2011. I have developed an online-service which helped schools to coordinate their dates. I have sold this online service to two schools in bavaria and three other schools were interested. Unfortunately, the ministry of education of Bavaria released an application with similar functionality in 2012. This was the reason why I decided to shut down my service.

since 2006

HackIts, Puzzles and Challenges
ProjectEuler, bright-shadows.net and many more

I really love solving logical, algorithmical or math puzzles and participated in competitions. I started to solve puzzles in 2006 and I still like them. This was the reason why I participated in a practical curse at KIT for preparation for ICPC. It was fun, but I found out that many people are much faster in producing C++ code that passed the tests than I am. However, as I've been very successfull at the Federal Competition for Computer Science ("Bundeswettbewerb Informatik") it seems as if I'm better in problem solving if I get more time to think about it.

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Education

from 2011	**Bachelor of Science** Computer Science *Karlsruhe Institute of Technology*
2004 – 2010	**Abitur** Intensive course physics and mathematics *Paul-Klee-Gymnasium Gersthofen*

Awards

2010	**Winner** *Federal Competition for Computer Science*
2009	**2nd price - regional competition** *Youth Research Competition*
2008	**1st price** *data analysis competition at University of Augsburg*
2008	**Award for social commitment** *Paul-Klee-Gymnasium*
2007	**Price for science and research** *FOCUS pupils competition*

Computer Skills

Basic Knowledge	C++, JavaScript, Python Linux, SQL, PHP
Intermediate Knowledge	LATEX, Java, HTML

Language Skills

German	mother tongue
English	Cambridge Certificate – C1
French	DELF A2