

CURRICULUM VITAE

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Educational background

2011-2013	Master of Science in Computer Science at the <i>Technische Universität Berlin</i> (Technical University Berlin), grade ¹ : 1,3
2008-2011	Bachelor of Science in Computer Science at the <i>DFHI</i> (German-French university cooperation in Metz [France] & Saarbrücken [Germany]), grade: 1,1
2007	<i>Allgemeine Hochschulreife</i> (university entrance qualification), specializing in Mathematics and Computer Science, grade: 1,1

Professional experience

Bioinformatic Scientist, *Centogene*, Rostock/Berlin & Remote, 01/2015 – now

- Implemented bioinformatic pipelines for genome analysis
- Designed complex software systems around domain-specific bioinformatics tools
- Optimization of external & inhouse tools
- Setup automatic deployment & testing infrastructure

Software Engineer, *Supenta*, London & Remote, 04/2014 – 12/2014

- Software Engineer #2 in a hardware startup with great influence on product and software design
- Implemented an Android App which communicates (NFC) with an external device
- Adapted and enhanced MCU firmwares of that device
- Setup of the test and build environments

Student Research Assistant, *Technische Universität Berlin*, 05/2012 – 03/2013

- Implemented various tools to enhance protein structure prediction software (bioinformatics) including development of new algorithms
- Conducted scientific experiments and prepared results for publication
- Used broad variety of technologies and tools including Perl, Python, PHP, Data Visualizations tools, High-Performance Computing

Software Engineer, *Anevia S.A.*, Paris, Spring & Summer 2011 (two-tier internship)

- Developed tools to test DVB cards and corresponding Linux drivers
- Developed a Selenium plug-in for automated website testing, entered feedback-loop with end users, contributed to open source project (Bachelor's final project)
- Worked “full-stack” using Python, JavaScript, C, Testerman, Testlink

Student Research Assistant, *Hochschule Saarland (University Saarland)*, 05/2011 – 06/2011

- Developed a web service to control Lego Mindstorms NXT robot remotely

1 German grades range from 1.0 (“very good”: an outstanding achievement) to 4.0 (“sufficient”: still meeting the requirements). 5.0 means “failed/below the requirements”.

- Implemented an agent-oriented communication pattern using Java on client and server side

Software Engineer, *ROBERT-KOCH-INSTITUT*, June 2009

- Implemented a tool to read and analyze DNA files generated by a sequencer
- Worked through the specification in order to understand file format and used C++/Qt to insert my implementation into the existing tool chain

Volunteer, *L'Arche d'Aigrefoin*, France, August 2007 – July 2008

- Worked and lived with mentally disabled people

Random stuff, 2004 – 2007

- Website development/homepage design for small businesses, LAMP administration
- Various vacation jobs

Software Development Skills

- Operating systems: *NIX (I am a Linux-Guru/CommandLine-Ninja), Windows
- Experienced in software development techniques like Scrum and TDD
- Adept of the *Automate-everything* and *Deploy-with-one-command* cultures
- Programming languages: Android, BASH/Shell, C/C++, CSS, Haskell, HTML, Java, JavaScript, LaTeX, Matlab/Octave, Perl, Prolog, Python, PHP, R, Ruby, SQL, UML
- Experienced in system administration (LAMP, shell scripting, backup management, etc.)
- Known software/tools: office suites, IDEs (Eclipse, Code::Blocks, IAR Embedded Workbench), version control systems (svn, git, mercurial), build management (maven, ant, Make), remote collaboration tools (Asana, Evernote, Trac, Redmine, Gemini, Gitlab)

Languages

- German: native speaker
- English: fluently
- French: fluently
- Spanish: absolute beginner

Other interests and hobbies

- Sports: aikido, jogging, sailing
- Literature and magazines: world literature, novels, *Die Zeit*, *Le Monde diplomatique*
- German and international politics
- Traveling: mostly in France, Scandinavia, Eastern Europe