

Till Breuer

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Mathematician. Data Scientist. Software Developer.

Data Scientist at the unbelievable Machine Company with a math diploma from University of Münster and a background in **machine learning**, **pattern recognition** and **statistical modelling**.

□ EDUCATION

10/2004 – 06/2010	University of Münster Diploma in Mathematics / Computer Science ø 1.5 Thesis (1.3): »Zur Rekurrenz von Random Walks«
1991 – 2000	Gymnasium Am Geroweiher, Möchengladbach Abitur ø 1.4

□ EXPERIENCE

Hitfox Group

Incubator building companies and careers

6/2014 – present

Data Scientist

Responsibilities & Achievements

- Supporting a new **FinTech** venture by prototyping the backend architecture and implementing the **MVP** with **Rails**
- Prototyping of a **Big Data** architecture in a **Telco** context

Zweitag GmbH

Ruby on Rails Consultancy

8/2009 – 5/2014

Software Developer

I worked on a variety of projects ranging from ecommerce sites and auction systems to business intelligence tools with data visualisations using **D3.js**. Zweitag applies behaviour driven development using **Rspec**, **Capybara** and **Jasmine**. As well as working on the **Rails** backend I am proficient with frontend technologies such as **Haml**, **SASS** and client-side **Javascript**-frameworks.

Responsibilities & Achievements

- Helped establish **TDD/BDD** as a company best-practice
- Introduced **Angular.js** as a core technology in Zweitag's projects
- (Co-)authored the software QA-process (**code review**)
- (Co-)authored and coordinated the corporate **mentorship** program
- Evaluated prospective interns and student workers and (co-)authored best-practices regarding the hiring process
- (Co-)authored training materials for interns and new hires

Visualization and Computer Graphics Research Group

of the University of Münster

10/2008 – 3/2009

Student worker: Voreen Volume Rendering Engine

Worked on the medical imaging engine Voreen in **C++** and **OpenGL**.

Databases and Information Systems Group

of the University of Münster

11/2008 – 3/2009

Student worker: Project Learnr

Built a **RESTful** webservice for managing assets for an E-Learning platform using **Ruby on Rails**.

Institute of Mathematical Statistics

of the University of Münster

10/2007 – 10/2008

Tutor in stochastics / probability theory

Tutorials and correction of student homework.

□ INTERESTS

- Reading technical books
- Data-driven decision making
- Open data / data-driven journalism
- Functional programming
- Pole vaulting
- Lean startup-methods
- Machine learning
- Data visualization
- Longboarding, wakeboarding, kitesurfing

See <http://kirelabs.org> for personal projects.

□ REFERENCES

Julian Schneider, CEO and Founder at Zweitag GmbH (<http://www.zweitag.de/de/team>)
is my boss.

Peter Großkopf, Founder at Zweitag GmbH (<http://www.zweitag.de/de/team>)
was my boss and organises Monster on Rails.

Prof. Dr. Xiaoyi Jiang (<http://cvpr.uni-muenster.de/organisation/jiang.html>)
supervised my diploma thesis at University of Münster.