Dr. Marc Lange

Team Lead, Data Science, Business Intelligence

✉ Hamburg, Germany
☎ +49 171 110 39 21
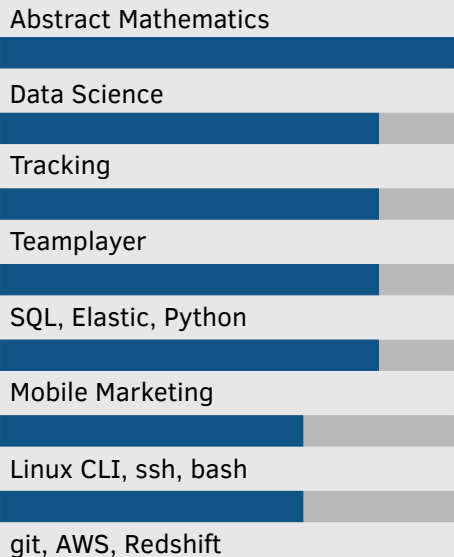🌐 https://github.com/Vassago1911
@ marc@lange-data.org

About me

problem solver
analytical, creative, abstract

fluent in
python, sql, latex, zsh, english, german
Blender, Numpy, Pandas, LaTeX, Scikit-Learn, (Tensorflow), BERT, Tesseract, Tableau ..

models in
data, geometry, dynamical systems, algebra
Natural Language Processing, (Realtime) Audio/Video Processing, automated understanding, Chatbots, Revenue Prediction, Budget Optimisation

experienced with
developing people, relationships, models, processes

Skills

Abstract Mathematics

Data Science

Tracking

Teamplayer

SQL, Elastic, Python

Mobile Marketing

Linux CLI, ssh, bash

git, AWS, Redshift

Education

2011-2015	Doktor (Ph.D.) "magna cum laude"	Hamburg
	Majoring in Mathematics, Minor Physics	
2005-2011	Diplom "sehr gut"	Hamburg
	Majoring in Mathematics, Minor Computer Science	
-2005	Abitur	Schleswig-Holstein
	Specialized in mathematics and chemistry.	

Languages:
German (native)
English (fluent)

Theses

| 2015 PhD | Multiplicative structures and involutions on algebraic K-theory |
| 2011 Diplom | Examples of Involutions on Algebraic K-Theory of Bimonoidal Categories |

Experience

2018-2019 Tech Lead, BI / Data Science *AppLike GmbH, Hamburg*

- doubled the margin share of revenue by mathematical optimisation of our bids
- educated one working student in tracking, reporting and modelling (Python, SQL, Elastic, Machine Learning)
- define half year goals for Team BI
- presented on our sales event for our Top10 partners
- joined career fairs to approach business and tech applicants
- attended a Sandler Workshop with the Sales-Team
- filled in as Product Owner for a backend-team in March 2018
- advising a master thesis in AppLike to synthetically generate fraudulent behaviour, so we can find new security holes - will finish in July

2016-2017 Business Intelligence (BI) Analyst *AppLike GmbH, Hamburg*

- center between tech and business: tracking and reporting
- communicating with external partners for integrations - e.g. Appsflyer, Singular, King, Playrix, etc.
- occasionally explaining new tech features to business
- push a business request to the backend informally when efficient and needed

2007-2015 Various Tutoring jobs *University of Hamburg*

- instructed classes in Linear Algebra, Set Theory, Mathematics for Physicist

Other information

As a mathematician and a general tech enthusiast I am not fixed to specific areas of application. Currently my business expertise stems from a well-scaling business model in mobile marketing for the gaming sector, but I can see myself in contexts which are more scientific, more compassionate, or also more classic than this digital sector.

I generally make it a point to look for a diverse and kind environment of colleagues and contribute to that myself. I bring in some diversity expertise from contributing in university to the "AG Queer Studies". At the yearly Chaos Communication Congress I keep myself informed and inspired on current scientific developments as well as the ethics of tech. Finally I usually try to code one or two new papers (usually from arXiv, e.g. https://arxiv.org/abs/1901.02878v1) on machine learning in my spare time, so I will tell you when the most promising AI-development comes.

Hobbies: Gaming (Pen and Paper (DnD), PC (Starcraft, Mass Effect)), Sports (Yoga, Gym, BJJ (retired)), US-Series to keep my English current

Salary expectation: 80.000€ +