



Dr. Marc Lange

Team Lead, Data Science,
Business Intelligence



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About me

problem solver

analytical, creative, abstract

Automation, Prediction,

Analysis.. no kind of data I

can't simulate or model into a

Aha! Regression, that will work

for years even without me :)

fluent in

python, sql, latex, zsh, english,

german

Blender, Numpy, Pandas, ~~MatX~~,

Scikit-Learn, (Tensorflow),

BERT, Tesseract, Tableau,

Matomo, Google Ads, ..

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

team lead experience, consultant

experience, lots of experience

in educating people, sometimes

in things I've just researched a

week ago myself :)

Skills

Education

2011-2015	Doktor (Ph.D.) "magna cum laude" Majoring in Mathematics, Minor Physics	Hamburg
2005-2011	Diplom "sehr gut" Majoring in Mathematics, Minor Computer Science	Hamburg
-2005	Abitur Specialized in mathematics and chemistry.	Schleswig-Holstein
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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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€ +