



Dr. Marc Lange

Team Lead, Data Science,
Business Intelligence

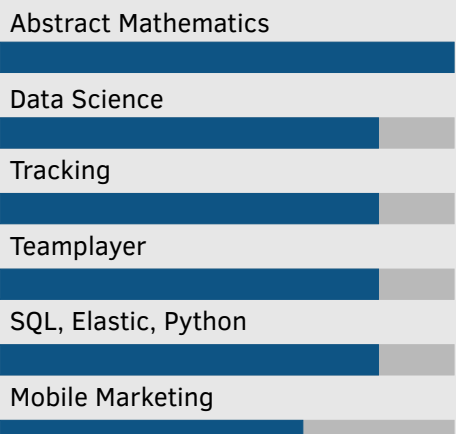
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About me

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, ~~WTFX~~,
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



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

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|-------------|--|
| 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 bidseducated one working student in tracking, reporting and modelling (Python, SQL, Elastic, Machine Learning)define half year goals for Team BIpresented on our sales event for our Top10 partnersjoined career fairs to approach business and tech applicantsattended a Sandler Workshop with the Sales-Teamfilled in as Product Owner for a backend-team in March 2018advising 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 reportingcommunicating with external partners for integrations - e.g. Appsflyer, Singular, King, Playrix, etc.occasionally explaining new tech features to businesspush 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€ +