Stefan Matting

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ABOUT

GitHub: **smatting**
LinkedIn: **stefanmatting**
Hobbies: making music • hacking

SKILLS

DATA SCIENCE
• Analysis (all Python data tools)
• Machine Learning (scikit-learn, xgboost)
• Deep Learning (pytorch, tensorflow)
• Bayesian Statistical Modelling (Stan)

DATA ENGINEERING
• ETL (Python + SQL)
• Import / Export with external APIs
• Logfile parsing
• Data Stream Processing (Python + RabbitMQ)
• PostgreSQL
• MongoDB
• ElasticSearch

DEVELOPMENT
• Python (7+ years)
• Haskell
• git + CI/CD workflows
• Javascript/Elm/React/Vue.js

OPERATIONS
• GNU/Linux
• systemd
• AWS / Telekom Cloud
• filebeat + logstash + ELK
• salt
• nixos + nixops
• Docker

LANGUAGES
German (fluent) • English (fluent) • French

EXPERIENCE

ASKBY GMBH | ML Developer
Apr 2018 - Present | Berlin

At AskBy I...
• manage AskBy's operations and infrastructure
• developed the Backend of the AskBy NLQuery App – a chat interface for Webtrekk's users. Quality is assured via: a scalable by service-oriented design, application logging, monitoring and alerting, domain event streaming, ETL to PostgreSQL for analysis
• research and develop solutions that are powered by Natural Language Processing algorithms

OUTFITTERY GMBH | Machine Learning Specialist
Dec 2013 - Dec 2017 | Berlin

At Outfittery I...
• lead a small team of data scientists. We autonomously developed solutions all the way from initial research to live production systems
• designed and developed the platform that integrates all algorithms from the data science team into the IT system
• built a diagnostic tool that connects applications failure log events (ElasticSearch) with Web Tracking Data (Snowplow)
• optimized the steering of several business processes with predictive Machine Learning models

FRAUNHOFER-INSTITUT FÜR SOLARE ENERGIESYSTEME | Research assistant
Mar 2008 - Feb 2013 | Freiburg im Breisgau
• Research assistant to Dr. Simon Schwunk
• Assisted in developing algorithms that estimate that internal state of several battery types
• Developed a modular simulation software for photovoltaic systems
• Ported multiple algorithms to embedded systems

UNIVERSITÄTS-KLINIKUM FREIBURG | Research assistant
Jun 2010 - Nov 2010 | Freiburg im Breisgau
• Research assistant to Prof. Dr. Thilo Hinterberger
• Assisted in developing software system that evaluates EEG measurements

EDUCATION

ALBERT-LUDWIGS-UNIVERSITÄT FREIBURG
Mathematics and Computer Science studies
2005 - 2013 | Freiburg im Breigau
Graduated with a "Diplom Mathematik" with a final grade of 1.0 with my thesis on "Preferential Attachment Modell und Verzweigungsprozesse"

ROBERT-BOSCH GYMNASIUM
1991 - 2004 | Wendlingen, BW