# Alvin Rindra Fazrie
## M.Sc

Data Scientist with 8 years of experience in AI and Data Projects. Certified in TensorFlow and GCP Professional ML Engineer.
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## WORK EXPERIENCE

### AI and Data Analytics Consultant
#### Lufthansa Industry Solutions

*07/2019 - Present*                                        *Hamburg, Germany*

- ML Engineering: Developing and Deploying AI/ML applications to production. Projects: - Developing Doc Similarities model to save 15K Manhours of MRO Engineer annually - Developing custom Autoscaling and Load Analysis for Advanced Driver Assistance Systems - Developing and Deploying Flight Recommendation System. ML Models: LSTM, BERT, NNMF, TFIDF + Cosine Sim.
- Data Engineering: ML Metadata, Impact Analysis, Batch Processing.
- Tech stack: TensorFlow 2.0, PyTorch, Sklearn, gensim, Flask, Airflow, Spark, docker, Kubernetes, Helm, Terraform, Pylint, Pytest, Openshift AI Platform, GCP (AutoML, BigQuery, KubeFlow, VertexAI), Azure (AKS, Azure ML, Synapse).

*Contact : marvin.theissen@lhind.dlh.de*

### Lead Data Science Instructor
#### DTSense Academy

*07/2020 - Present*                                                    *Remote*

- Leading a team of data science instructors with topics: AI, Machine Learning, Deep Learning (CNN, LSTM), Reinforcement Learning, Natural Language Processing and Image Processing.
- Building various projects ranging from Image Classification, Text Classification, and Multimodal Deep Learning models (text and audio) using state-of-the-art architecture such as Transformer and BERT for text processing. Participating in several Data Hackathons.

*Contact : info@dt-sense.com*

### Data Scientist
#### Ginkgo Analytics

*03/2019 - 06/2019*                                        *Hamburg, Germany*

- Developing ELK Stack for Big Data Search and Analytics Projects: Elasticsearch, Logstash, Kibana + Filebeat. Anomaly Detection with Machine Learning Jobs (Single Metric and Multi-Metric).
- Airbus AI Challenges - Anomaly Detection in Helicopters Accelerometer: Recall: 0.942, Fbetascore: 0.99, Precision: 0.99. ML Algorithms: OneClassSVM, K-Means, KNearestNeighbour.
- Product Classifier Data Case with Deep Learning (LSTM, CNN).

*Contact : steffen.maas@ginkgo.com*

### Research Assistant
#### Language Technology Group - Universität Hamburg

*09/2017 - 08/2018*                                        *Hamburg, Germany*

- Worked on projects, new/s/leak 2.0 (Network of Searchable leaks), Science and Data-Driven Journalism tool http://www.newsleak.io/ and autolinks (automatic proactive researching) - https://uhh-lt.github.io/autolinks. Under Supervision of Prof. Biemann.
- Tech stack: Scala Play, AngularJS, NodeJS, Elasticsearch, Docker, PostgreSQL, Python, NLP: UIMA, cTAKES, Polyglot-NER.

*Contact : biemann@informatik.uni-hamburg.de*

## EDUCATION

### Master of Intelligent Adaptive Systems (M.Sc)
#### Universität Hamburg, Germany

*12/2018*                                                    *AI, DL, ML, RL, NLP*

## TECH & SOFT SKILLS

- DL, ML, RL : Tensorflow 2.0, PyTorch, Sklearn, mlxtend
- NLP: cTAKES, gensim, NLTK, spaCy
- ML Engineering
- Data Engineering
- Clouds: AWS, GCP, Azure
- Communication
- Teamwork
- Attention to details
- Problem-Solving
- Self-management
- Leadership

## CERTIFICATES

**Open Hack: Modern Data Warehousing (05/2022 - Present)**
*Microsoft: https://www.credly.com/badges/592717f2-ed7b-41bc-bd93-ca86d2333ee7*

**Professional Machine Learning Engineer (04/2022 - 04/2024)**
*Google Cloud: https://www.credential.net/profile/alvinrindrafazrie965276/wallet*

**TensorFlow Developer Certificate (07/2020 - 07/2023)**
*Google - TensorFlow: https://www.credential.net/profile/alvinrindrafazrie965276/wallet*

**Production Machine Learning Systems; MLOps; MLPipelines (01/2022 - Present)**
*Coursera: https://www.coursera.org/account/accomplishments/certificate/BQ2QJPZ7KXXP*

**Deep Learning Specialization (DNN, CNN, RNN) (09/2018 - Present)**
*deeplearning.ai : DXLWRFC2C9TL, (Tensorflow, Keras, Scikit-learn) https://www.coursera.org/account/accomplishments/specialization/DXLWRFC2C9TL*

## PUBLICATIONS

**Agent-advising Approaches in an Interactive Reinforcement Learning Scenario. Cruz, F.; Wüppen, P.; Magg, S.; Fazrie, A.; Wermter, S. (09/2017)**
*2017 IEEE International Conference on Development and Learning and Epigenetic Robotics (ICDL-EpiRob). https://ieeexplore.ieee.org/document/8329809. Tech stack: Python, numpy, matplotlib.*

**Action Selection Methods in a Robotic Reinforcement Learning Scenario. Cruz, F.; Wüppen, P.; Fazrie, A.; Weber, C.; Wermter, S. (11/2018)**
*5th IEEE Latin American Conference on Computational Intelligence LA-CCI. http://la-cci.org/la-cci-2018/accepted-papers-2018/. Tech Stack: Python, numpy, matplotlib.*

## LANGUAGES

**English**
*Expert*

**Bahasa (Indonesian)**
*Native or Bilingual*

**German**
*Upper-intermediate*

**Malay**
*Expert*