

# Alvin Rindra Fazrie

M.Sc

Senior Data Scientist with 8 years of experience in AI and data projects. Certified Azure Data Scientist and GCP Professional ML Engineer



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## WORK EXPERIENCE

### Senior AI & Data Consultant Lufthansa Industry Solutions

07/2019 - 07/

Hamburg, Germany

- ML Engineering: Development and deployment of AI/ML applications into production. Projects: - Developed Doc Similarities model to save 15K MRO engineer man-hours annually - Developed custom autoscaling and load analysis for advanced driver assistance systems - Developed flight recommendation system. ML Models: LSTM, BERT, Naive Bayes, SVM, TFIDF + Cosine Sim.
- Data Engineering: ML Metadata, Impact Analysis, Batch Processing.
- Tech stack: TensorFlow 2.0, PyTorch, Sklearn, gensim, SpaCy, Flask, AirFlow, Spark, docker, Kubernetes, Helm, Terraform, Pylint, Pytest, OpenShift AI Platform, GCP (AutoML, BigQuery, KubeFlow, VertexAI), Azure (AKS, Azure ML, Synapse, OpenAI).

Contact: marvin.theissen@lhind.dlh.de

### Lead Data Science Instructor DTSense Academy

07/2020 - 07/

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 BERT or GPT-2 for text processing. Participating in several Data Hackathons.

Contact: info@dotsense.id

### 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://uuh-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

Azure Data Scientist (08/2023 - 07/2024)

Microsoft Certified: <https://learn.microsoft.com/en-us/users/alvinrindra/credentials/eeca8947aecbb75a> (Azure ML, MLOps, Responsible AI)

Open Hack: Modern Data Warehousing (05/2022 - 07/)

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 - 07/)

Coursera:  
<https://www.coursera.org/account/accomplishments/certificate/BQ2QJPZ7KXXP>

## 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-CCL.  
<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