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 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, 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