

# Alvin Rindra Fazrie

M.Sc

Software Engineer with Machine Learning Expertise.  
AI at Universität Hamburg; BI at Universität Duisburg-Essen; Deep Learning on deeplearning.ai.  
<https://alvinrindra.github.io/>



alvinrindra@gmail.com ✉

+4915751299440 📞

Hamburg, Germany 📍

[linkedin.com/in/alvinrindrafazrie](https://www.linkedin.com/in/alvinrindrafazrie) in

[github.com/alvinrindra](https://github.com/alvinrindra) 🐙

## WORK EXPERIENCE

### Research Assistant - Working Student 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 the supervision of Prof. Chris Biemann.
- Tech stack: Scala Play, AngularJS, NodeJS, Elasticsearch, Docker, PostgreSQL, Python, NLP components: UIMA, cTAKES, Polyglot-NER.

Contact: [biemann@informatik.uni-hamburg.de](mailto:biemann@informatik.uni-hamburg.de)

### Full-stack Developer (RoR) - Working student HAUSGOLD - talocasa GmbH; X-rails GmbH

04/2016 – 01/2018

Hamburg, Germany

<http://www.hausgold.de/>; [www.x-rails.com](http://www.x-rails.com)

- Worked on a project for building a maklerportal and CRM. Maklerportal-frontend stacks: ReactJS, SCSS, Webpack, E2E Test: NightwatchJS. Maklerportal-api stacks: Ruby on Rails, PostgreSQL. (01/2017 - 01/2018). HAUSGOLD - talocasa GmbH
- Developed features of several websites (ximmo, ubitricity, codetalk): HTML5, sass, Bootstrap, Javascript. Framework: Ruby on Rails, TDD/BDD: RSpec. (04/2016 - 12/2016). X-rails GmbH

Contact: [niklas.schreiber@hausgold.de](mailto:niklas.schreiber@hausgold.de)

### Full-stack Developer (JS) - Working student Quantilope GmbH

02/2015 – 02/2016

Hamburg, Germany

[www.quantilope.com](http://www.quantilope.com)

- Developed a Market Research Software: MeteorJS, AngularJS, HTML5, LESS, Bootstrap, jQuery, and MongoDB.

### Associate System Developer CCH, a Wolters Kluwer Business

06/2012 – 08/2012

Cyberjaya, Malaysia

<http://www.wolterskluwer.com.my/>

- Researched on Information retrieval using Apache SOLR for company data indexing.
- Implemented ETL (Extract Transform Load) and Business Intelligence Process via Microsoft BIDS (Business Intelligence Development Studio) using SSIS (SQL Server Integration Services).

## EDUCATION

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

12/2018

Machine Learning, Neural Networks,  
Reinforcement Learning (RL), Language  
Processing, Bio- Artificial Intelligence

### ERP and Business Intelligence (Certified Semester)

Universität Duisburg-Essen, Germany

04/2017

## TECH & SOFT SKILLS

Full-stack Dev: RoR, NodeJS, Scala, ReactJS, AngularJS, (No)SQL

Deep Learning & RL: Python, Tensorflow, Keras, Scikit-learn

NLP & Information Extraction: UIMA, cTAKES

Data Science: R

Data Visualization

Business Intelligence

Semantic Web

More details of Tech Stack Skills on: <https://alvinrindra.github.io>

Communication

Teamwork

Attention to details

Problem-Solving

Self-management

Leadership

## CERTIFICATES

### Deep Learning Specialization (DNN, CNN, RNN) (09/2018 – Present)

[deeplearning.ai : DXLWRF2C99TL](https://www.coursera.org/account/accomplishments/specialization/DXLWRF2C99TL), (Tensorflow, Keras, Scikit-learn)  
<https://www.coursera.org/account/accomplishments/specialization/DXLWRF2C99TL>

### Advanced ABAP Programming - (04/2017 - Present), Introduction to SAP ABAP - (03/2016 - Present)

Universität Duisburg-Essen

### Introduction to SAP Business Warehouse - (09/2015 - Present)

Universität Duisburg-Essen

### Integrated Business Process with SAP ERP TERP10 - (03/2015)

Universität Duisburg-Essen

### CIBIA (Certified International Business Intelligence Associate) - (12/2012)

Purchasing and Supply Association Singapore

## 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.

## INTERESTS

Artificial Intelligence

Business Intelligence

Teamwork

Organizational Activities

Leadership & Friendship

Public Speaking

Cycling & Swimming

MMORPG