

# Alvin Rindra Fazrie

M.Sc

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



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[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, NLP components: UIMA, cTAKES.

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

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

- Researched on Information retrieval using Apache SOLR for company data indexing.
- Implemented ETL (Extract Transform Load) and Business Intelligence Process via Microsoft BIS (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

08/2016

## 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](https://deeplearning.ai): DXLWRF2C9TL, (Tensorflow, Keras, Scikit-learn)  
<https://www.coursera.org/account/accomplishments/specialization/DXLWRF2C9TL>

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