# Edmund Ekow **Quarm**

Data Science · Data Ethics · Human Computer Interactions

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## Summary

I am a Computational Social Systems Data Science student at RWTH with a focus on the ethics of Human-Technology Interactions. I'm passionate about teaching machines how to think independently.

## Work Experience

**Zoomlion Ghana Limited**                                                         *Accra, GHANA*

International Relations Office Assistant                                           *September 2018 – August 2019*

- Assisted international relations officers in the day to day administration of the office.
- Planned and prepared international trips for about 35 company staff.
- Helped in acquiring Ghanaian resident and work permits for Turkish and American expatriate staff.
- Liaised and communicated with international branches in Angola and Zambia to help in acquisition of safety gears for company staff for day to day operations.

**Universal Plastic and Product Recycling Ltd.**                                   *Accra, GHANA*

Intern Office Assistant/ Translator                                               *June 2014 – August 2014*

- Assisted the chief Chinese translator in carrying out his duties.
- Translated conversations and work instructions between Chinese workers and Ghanaian workers.
- Assisted the head of safety in checking safety regulations on production site.

## Education

**RWTH. Aachen University**                                                        *Aachen, Germany*

Msc. Computational Social Systems                                                  *September 2020 - Present*

Relevant Course Work: **Supervised/Unsupervised Learning, Python I, Database and Information Systems, Business Process Intelligence, Applied Ethics, Computer Mediated Communication, Ethics Technology and Data, Introduction to Algorithmic Societies, Empirical Research Methods in Psychology,Data Structures and Algorithms.**

**University of Ghana, Legon**                                                     *Accra, GHANA*

Bachelor of Arts in Sociology and Chinese                                         *September 2013 - June 2019*

**Zhejiang University of Technology**                                              *Hangzhou, CHINA*

Associate Degree in Chinese Language and Culture                                  *September 2016 - June 2017*

## Relevant Projects

**Data Science**                                                                  *Aachen, Germany*

Supervised and Unsupervised Learning - (click here for link)                      *October 2020 – January 2021*

- Classification on species and habitat dataset to predict the presence of frog species in a given habitat using linear regression, SVC and Keras to 90 % accuracy.
- Clustering on employee dataset to identify groups and clusters based on emplyoee variables such as work experience, gender, education, city development index and training hours. Association Rules analysis to identify the associations among different employee variables.

**Business Process Intelligence**                                                 *Aachen, Germany*

Business Process Analysis - (click here for link)                                 *April 2021 – August 2021*

- Business Process mining and analysis on bank loan collection event log.
- Performed a bottleneck analysis on the given bank loan collection event log.

# Skills

**Technical expertise**

Python, Pandas, scikit-learn, Numpy, Seaborn, Matplotlib,PM4PY, Plotly, MySQL, Rapidminer, Disco by Fluxicon, ProM process mining tool, R for statistical modelling.

**Spoken Languages**

English *(Fluent)*, German *(A1)*, Chinese *(H.S.K. 4 certified)* and French *(beginner)*