

# Phillip Rust

## Curriculum Vitae

### Education

- 2021–2024 **PhD, Computer Science**, *University of Copenhagen*.  
Research Topics: Natural Language Processing, Machine Learning  
Advisor: Prof. Anders Søgaard
- 2018–2020 **M.Sc., Computer Science**, *TU Darmstadt*, *Cumulative GPA: 1.34\**.  
Focus: Natural Language Processing, Machine Learning, Data Mining, Artificial Intelligence  
Subsidiary Subject: Business & Law
- 2015–2018 **B.Sc., Computer Science**, *DHBW Stuttgart*, *Cumulative GPA: 1.4\**.  
ECTS Grade A (Top 10% of graduating class)

\*On a scale of 1-5 with 1.0 being the best possible

### Publications

- [1] Phillip Rust, Jonas Pfeiffer, Ivan Vulić, Sebastian Ruder, and Iryna Gurevych. How Good is Your Tokenizer? On the Monolingual Performance of Multilingual Language Models. In *Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (Volume 1: Long Papers)*, pages 3118–3135, Online, 2021. Association for Computational Linguistics.
- [2] Gözde Gül Şahin, Yova Kementchedjieva, Phillip Rust, and Iryna Gurevych. PuzzLing Machines: A Challenge on Learning From Small Data. In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*, pages 1241–1254, Online, 2020. Association for Computational Linguistics.

### Experience

#### Vocational

- 2018–2021 **DualStudy M.Sc. Program**, *DXC Technology*, Frankfurt, Germany.
- Technical consulting and software development on petabyte-scale data and compute platforms (OpenShift, MapR) for an automotive industry leading client to enable autonomous driving research and development
  - Platform logging, alerting and monitoring using the Elastic (ELK) stack and Prometheus
  - Platform automation using Ansible
- 2015–2018 **DualStudy B.Sc. Program**, *Hewlett Packard Enterprise*, Germany/USA.  
Integrated program that combined studies in computer science at DHBW Stuttgart with six internships in various departments and locations at Hewlett Packard Enterprise and DXC Technology. Included a summer research internship in the area of high performance computing at Hewlett Packard Labs in Palo Alto, CA, USA.

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## Volunteering

2019–2020 **Incoming Global Talent, AIESEC**, Darmstadt, Germany.

Volunteering activity mainly consisting of the following components:

- Preparing foreign students for their professional traineeships in Germany
- Taking care of the well-being and personal development of trainees in Germany
- Building and maintaining relationships with companies offering traineeships in the area

## International

2017–2017 **Summer Research Internship, Hewlett Packard Enterprise**, Palo Alto, USA.

During a summer internship at Hewlett Packard Labs, I supported a team of researchers in the field of high performance computing. I established tuned performance baselines for a high performance computing software stack utilizing a variety of performance benchmark suites, and set up a system that enables researchers to comfortably configure and switch between development environments. Furthermore, I participated in social intern activities and presented my work at an intern poster fair.

2017–2017 **Study Abroad, Staffordshire University**, Stoke-On-Trent, UK.

During a semester abroad at Staffordshire University, I took computer science classes for my bachelor's degree. Additionally, I participated in weekly social activities for exchange students and was part of the university's volleyball club.

## Technical Skills

Programming Python, Java, JavaScript

Frameworks PyTorch, Tensorflow, Keras, NumPy, NLTK, HuggingFace Transformers

Big Data Unix, MapR, Openshift/Kubernetes, Docker, Airflow, Elastic Stack, Ansible

## Languages

German Native

English Fluent

Japanese Conversational

## Personal Interests

Sports I played football (soccer) actively in a club for 15 years. Now, I occasionally play football with friends and otherwise keep myself in shape at the gym.

Piano I took piano lessons for eight years in elementary, middle, and high school. Nowadays, I mostly play movie soundtrack pieces as well as some classical and pop music.

Japanese I enjoy studying the Japanese language and culture. I have been taking Japanese classes for two years throughout my studies in Darmstadt and aim to be fluent one day.

Photography Whenever I am travelling or have some free time, I try to bring my camera along to capture cute cats or meaningful moments.

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