

Phillip Rust

Curriculum Vitae

Education

- 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. *arXiv preprint*, 2020.
- [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.

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

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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 throughout 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 capture meaningful moments with my camera.

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