

## Education

- since 2019 **Ph.D. studies**, *Westfälische Wilhelms-Universität Münster*, Münster, Germany.  
Supervisors: Prof. Sergei Gorlatch & Dr. Michel Steuwer (University of Edinburgh)
- 2017–2019 **Master of Science in computer science**, *Westfälische Wilhelms-Universität Münster*, Münster, Germany.
- 2013–2017 **Bachelor of Science in computer science**, *Westfälische Wilhelms-Universität Münster*, Münster, Germany.

## Research Visits

- 02/2020 **Visiting Researcher (2 months)**, *University of Glasgow*, Glasgow, UK.  
– 03/2020 Funded by EuroLab-4-HPC

## Publications

- 2020 [1] B. Hagedorn, J. Lenfers, T. Kundendhler, X. Qin, S. Gorlatch, and M. Steuwer. “Achieving High-Performance the Functional Way: A Functional Pearl on Expressing High-Performance Optimizations as Rewrite Strategies”. In: *Proc. ACM Program. Lang.* 4.ICFP (Aug. 2020). DOI: 10.1145/3408974. URL: <https://doi.org/10.1145/3408974>.

## Research Projects

- since 10/2019 **ELEVATE**, *A Language for Describing Program Transformations*.  
Ongoing Research: ([elevate-lang.org](http://elevate-lang.org))
- since 10/2019 **RISE**, *A Functional Pattern-Based Data-Parallel Language*.  
Ongoing Research: ([rise-lang.org](http://rise-lang.org))
- since 04/2017 **Lift**, *A Novel Approach to Achieving Performance Portability on Accelerators*.  
Ongoing Research: ([lift-project.org](http://lift-project.org))

## Reviewer

- 2020 CC 2020 artifact evaluation committee.

## Teaching

- Winter '21 Teaching assistant for the course: *Distributed Systems*.
- Summer '20 Teaching assistant for the course: *Multi-Threading and Networking in Java*.
- Winter '20 Teaching assistant for the course: *Parallel Systems*.
- Summer '19 Student assistant for the course: *Data Structures and Algorithms*.
- Winter '19 Student assistant for the course: *Operating Systems*.
- Summer '18 Student assistant for the course: *Data Structures and Algorithms*.
- Winter '18 Student assistant for the course: *Operating Systems*.
- Summer '17 Student assistant for the course: *Data Structures and Algorithms*.