



2014 – 2017: FH Aachen

B.Sc. “Scientific Programming”

2017 – 2020: RWTH Aachen University

M.Sc. Computer Science

2020 – 2023: CERN EP-SFT

Junior Fellow (ROOT + simulation)

since November 2023: DOCT

Goethe University Frankfurt + EP-SFT

supervisors: Jakob Blomer (CERN),  
Thorsten Kollegger (Frankfurt)

## Scalable Algorithms for Data Aggregation in High Energy Physics Applications

- Parallel RNTuple writing
- Multithreaded histogram filling

