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EDUCATION

M. Sc. Computer Science

RWTH Aachen University

Apr 2019 – Jan 2023

– *Minor*: Mathematics

– *Thesis*: Exploring Self-supervised Pre-trained Point Transformers for 3D Vision Tasks

B. Sc. Computer Science

RWTH Aachen University

Oct 2015 – Mar 2019

– *Minor*: Mathematics

– *Thesis*: Letterplace Gröbner Bases their Implementation and Applications

WORK EXPERIENCE

Ph.D. Student

RWTH Aachen @ Computer Vision Group

Feb 2023 – Mar 2023

I am working on 3D hand pose estimation, 3D human pose estimation and mutli-object tracking.

Research Assistant

RWTH Aachen @ Computer Vision Group

Oct 2021 – Mar 2023

I helped with the implementation and evaluation of deep learning models and strengthened my PyTorch skills. Towards the end, we prepared a [submission](#) for a top-tier computer vision conference based on the results of my master's thesis.

Research Assistant

RWTH Aachen @ Chair of Algebra and Number Theory

Apr 2017 – Sep 2021

As part of a small team, I developed and implemented mathematical algorithms in C++ with the goal of adding support for non-commutative Gröbner basis theory to the computer algebra system [Singular](#).

Software Developer

Self-employed

Aug 2015 – Dec 2022

To finance myself while I was studying, I developed and monetized [Phonograph](#), a music player for Android. Later, I developed [Iron](#), a workout tracker for iOS.

SKILLS

Programming

Python, Swift, C++, Rust, Typescript, Unix shell

Communication

German (native), English