

Raoul Luqué ◊ raoulsluque@gmail.com ◊ GitHub
+49 176 833 51 853

EDUCATION

RWTH Aachen M.Sc. Mathematics with minor subject computer science (1.0)	<i>October 2024 - August 2026</i> <i>Aachen, DE</i>
RWTH Aachen B.Sc. Mathematics with minor subject computer science (1.1)	<i>October 2021 - September 2024</i> <i>Aachen, DE</i>
Oberstufenkolleg Abitur (1.0)	<i>August 2018 - July 2021</i> <i>Bielefeld, DE</i>
Laborschule Mittlerer Schulabschluss (1.0)	<i>August 2007 - July 2018</i> <i>Bielefeld, DE</i>

PROFESSIONAL EXPERIENCE

RWTH Aachen <i>PhD Student, Supervised by Prof. Laura Vargas Koch and Prof. Britta Peis</i> Working on topics in discrete optimization and game theory	<i>August 2026 - today</i> <i>Aachen, DE</i>
SAP <i>Software Developer, Rust</i> Backend Developer for applications using generative AI	<i>April 2025 - April 2026</i> <i>Remote, DE</i>
IVU Traffic Technologies <i>Software Developer</i> Software Developer in the backend team	<i>October 2023 - January 2024</i> <i>Aachen, DE</i>
Chair of Algebra and Representation Theory RWTH <i>Assistant Scientist</i> Creation of lecture slides and exercise materials for upcoming lectures	<i>March 2023 - September 2023</i> <i>Aachen, DE</i>
Chair of Algebra and Number Theory RWTH <i>Tutor/Assistant Scientist</i> Holding a weekly exercise lesson and correcting submissions and exams	<i>October 2022 - March 2023</i> <i>Aachen, DE</i>

PROGRAMMING PROJECTS

Petgraph Main contributor to the graph data structure library in rust	<i>Rust</i>
Rustboy A Gameboy emulator which also runs in the browser using WASM	<i>Rust</i>
Connect-Rust Connect four bot against which one can play in the form of a web server with brute force and Monte Carlo variants	<i>Rust</i>

ImageRecognitionFromScratch

Python & NumPy

Convolutional neural network that classifies the MNIST digit dataset with an error rate of 0.40%.
Accompanied by a theoretical written work

Typing Defense

Rust & Bevy

A typing defense game to practice faster typing in a playful way

SKILLS

Languages

German and Spanish (native languages), English, French

Programming languages

Rust, Python, Javascript, Typescript, Java, C++, Haskell

SOCIAL COMMITMENT

Nightline Aachen

Juli 2024 - today

Chairperson since January 2026

Studieren Ohne Grenzen Aachen

August 2022 - April 2024

February 2023 to April 2024 first chairman and management of the Aachen branch

Youth leader training

February 2019 - August 2019

Supervision of a Falken Bielefeld youth camp and acquisition of the youth leader card in the preparation and follow-up

AWARDS

Dean's List

October 2021 - October 2025

Member of the Dean's List as part of the best 5% of the degree program

Schöneborn Prize

September 2024

Prize of the Mathematics Department of RWTH Aachen University for outstanding Bachelor graduates