



YAĞIZ KOÇ

BACHELOR STUDENT OF CES 📍 AACHEN, NRW, GERMANY ☎ +4915209616860

◦ DETAILS ◦

Aachen, NRW, Germany
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◦ LINKS ◦

www.linkedin.com/in/yagiz-koc

◦ SKILLS AND INTERESTS ◦

High Motivation
Fast Learner
Communication Skills
Organization Skills
Time Management
Problem Solving
Teamwork
Mathematics
Machine Learning & AI in
Engineering
Simulation Technology
Computational Fluid Dynamics
Python, C++
Git and Project Management

◦ LANGUAGES ◦

German

English

Turkish

◦ HOBBIES ◦

Bass Guitar, Basketball, Reading,

👤 PROFILE

Motivated and passionate student with the intention of flourishing in a project in the field of computational engineering.

📁 EMPLOYMENT HISTORY

Student Assistant at Insitute für Technische Verbrennung (itv) – RWTH Aachen University

October 2024 – today

- ❖ RANS, LES, TDIs, Combustion modeling
- ❖ Data Pre-, Postprocessing

Tutor at RWTH Aachen University

October 2023 – February 2024 & October 2024 – today

Student tutor for the course “Introduction to Programming” in C++

Tutor at RWTH Aachen University

April 2024 – September 2024

Student tutor for the course “Thermodynamics I (CES)”

Student Assistant at Institute für Kraftfahrzeuge (ika) – RWTH Aachen University

October 2023 – June 2024

- ❖ Development of functional software for automated and connected driving
- ❖ Integration of software components into a cross-vehicle and cross-cloud system architecture
- ❖ Testing of the developed software architecture with real test vehicles and/or in simulation

Technical Team Member at Enevra (Enactus Aachen e.V.), Aachen

December 2022 – March 2024

- ❖ Development of 3D-printed, accessible and individually adapted prostheses for a fraction of the normal cost and time
- ❖ Creating a sustainable supply structure in order to improve the quality of life of

Backpacking, Travelling, Social
Dances, Fitness

those affected living in developing countries

Trainee at Özyeğin University, Istanbul

July 2019 — July 2019

- ❖ Education camp offered by Özyeğin University intended for High School students to provide them with the experience of university projects
- ❖ Platform to acquire soft and field-specific skills in a summer camp framework
- ❖ Development of a 3D project from scratch in the course "OpenFab Maker Camp"



EDUCATION

1.4, RWTH Aachen University, Aachen

October 2022

Bachelor of Science - BS, Computational Engineering Science

1.0, St. Georg Avusturya Lisesi ve Ticaret Okulu (Österreichisches St. Georgs-Kolleg), Istanbul

September 2017 — June 2022

- Grade: 95,23/100
- Certificate of Honor
- Allgemeinbildendes Reifeprüfungszeugnis (Matura) - Grade: 1,0
- Activities and societies: President of the Civil Defense and First Aid Club (2018-19), Founder and President of the History Club (2019-2020)



CERTIFICATIONS AND HONOURS

Honors Certificate (Deutschlandstipendium)

November 2023 & November 2024

Dean's List 2023 and 2024 at RWTH Aachen University (CES)

March 2024 & March 2025

Valedictorian of the Class of 2022 at St. Georgs-Kolleg Istanbul

June 2022

Allgemeinbildendes Reifeprüfungszeugnis Matura (A-levels), Republik Österreich

June 2022

ÖSD Certificate C1, Österreichisches Sprachdiplom Deutsch

November 2021

Gamification, The Warton School, University of Pennsylvania

September 2020

Serious Gaming, Erasmus University Rotterdam

September 2020

Cambridge Preliminary English Test B2, Cambridge University Press & Assessment English

May 2016

First Lego League Mechanical Design Award, FIRST

February 2016



PROJECTS

Simulationsbasiertes Lernen (Simulation-Based Learning), Istanbul

May 2021 — February 2022

This pre-scientific thesis (Vorwissenschaftliche Arbeit - VWA) is intended to explain the advantages and explore the endless number of opportunities of simulations in education in a summarized form. It is prepared through detailed

research in suitable literature in the field of education and simulation-based learning, and includes various integration examples, thus bring together theory and practice. It also gives an overview of effective ways to design and conduct a classroom simulation. Finally, an interview with the creators of a credit risk simulation can be found in the appendix, which demonstrates the subject through the eyes of those who actually are in this industry.

VOLUNTEERING

Member at Enactus Aachen e.V., Aachen

November 2022

Enactus Aachen e.V. is a non-profit organization consisting of many start-ups and part of one of the largest student organizations worldwide. The goal of the organization is to improve the world in a economically sustainable way and to improve the living standard of people in need for the long term.