

Patrick Treppmann

treppmann.dev | github.com/patricktrp | linkedin.com/in/patrick-treppmann
patrick@treppmann.dev | [REDACTED] | [REDACTED] | [REDACTED]

EDUCATION

RWTH AACHEN

M.Sc. COMPUTER SCIENCE

Apr 2022 - Present

Specialization:

- Software Engineering
- Artificial Intelligence
- Distributed Systems

UNIVERSITY OF WUPPERTAL

B.Sc. COMPUTER SCIENCE

Oct 2018 - Mar 2022

Final Grade: 1.6

SKILLS

TECHNICAL

Frontend:

React • JavaScript • HTML • CSS

Backend:

Java • Spring • Python • SQL •

MongoDB • REST

Infrastructure | DevOps:

Linux • Docker • Git • AWS

NON-TECHNICAL

Languages:

German (native) • English (fluent) •

Spanish (basic)

Soft-Skills:

Communication • Time management

SCHOLARSHIPS

DEUTSCHLANDSTIPENDIUM

Scholarship for high-achieving and committed students

RWTH AACHEN

Oct 2022 - Present

UNIVERSITY OF WUPPERTAL

Oct 2019 - Mar 2022

- extended in Oct 2020 Oct 2021

EXPERIENCE

TEQYARD GMBH | WORKING STUDENT - SOFTWARE ENGINEERING

Sep 2022 - Present | Remote

- implemented a data-driven approach to detect pauses in vehicle data using Python
- achieved the automated analysis of 200.000+ vehicles each month by implementing a machine learning pipeline on AWS

UNIVERSITY OF WUPPERTAL | STUDENT ASSISTANT

CHAIR OF IT-SECURITY AND CRYPTOGRAPHY

Feb 2021 - Jan 2022 | Wuppertal, Germany

- assisted the researchers with the extension of an OpenSSL fork to prevent replay attacks on 0-RTT sessions when using TLS

COROPLAST FRITZ MÜLLER GMBH CO. KG | WORKING STUDENT

Feb 2021 - Jan 2022 | Wuppertal, Germany

- automated various business processes by writing Python and Powershell scripts
- digitalized a process for in-house restaurant orders within the company by implementing an application with the low-code platform Microsoft Power Apps

SOFTWARE PROJECTS

LEARNING MANAGEMENT SYSTEM DASHBOARD

- built a dashboard in **React** to display learning management analytics for students and lecturers
- this university project was done in a group of five students using **agile** development methods

SORTING ALGORITHM VISUALIZER

- built a web application in **React** to visualize how different sorting algorithms work on data
- implemented Bubblesort, Insertion Sort, Selection Sort, Mergesort, Quicksort and Heapsort

ONLINE CHESS GAME

- built and deployed a full-stack application to play the game of chess online against a friend
- frontend is built as a **React** single page application
- backend is built with **Java** and **Spring** and allows clients to connect using the **Websocket** protocol