

Arno Claude

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EDUCATION

M.Sc. Computer Science <i>Technical University of Munich</i>	Munich, Bavaria <i>October 2022 – September 2024 (Expected)</i>
B.Sc. Computer Science <i>Technical University of Munich</i>	Munich, Bavaria <i>October 2018 – September 2022</i>
<ul style="list-style-type: none">• Introduction to Object-oriented Programming (Java)• Introduction to Functional Programming (Haskell)• Introduction to Databases (SQL)• Implementation and Deployment of Database Management Systems (Advanced SQL)• Introduction to Algorithms and Datastructures	

WORK EXPERIENCE

Software Engineer Working Student <i>Certivity Java, TypeScript, React, Spring, React Query, Redux, MongoDB</i>	Munich, Bavaria <i>March 2022 – today</i>
<ul style="list-style-type: none">• Helped build the MVP of the startup by implementing key features used by early customers (TypeScript, React, React Query, Redux, Tailwind CSS)• Implemented various backend features (Java, Spring, MongoDB)	
Software Engineer Working Student <i>Avision GmbH Java, JavaScript, Spring, JUnit, Log4j2, Jasypt</i>	
<ul style="list-style-type: none">• Implemented a REST API to facilitate DHL workers' jobs (Java, Spring MVC, Spring Data, Hibernate)• Created a logging system to help developers troubleshoot the application (Java, Log4j2)• Created an encryption system to securely encrypt passwords in the codebase (Java, Jasypt)• Created end-to-end tests to test the functionality and performance of the application (JavaScript, Cypress)• Created unit tests to validate existing code (Java, JUnit)• Created batch scripts to automate image compression, heavily reducing file sizes (Unix Shell, ImageMagick)	Oberhaching, Bavaria <i>April 2021 – March 2022</i>

PROJECTS AND HACKATHONS

Funkenflieger <i>Python, Apache Kafka</i>	May 2022 – July 2022
<ul style="list-style-type: none">• Developed an event processing pipeline to process large amounts of data	
BCG Platinion Hackathon <i>Java, Python, Raspberry Pi</i>	October 2021
<ul style="list-style-type: none">• Developed a solution concept facilitating vaccine storage for the logistic department of Médecins sans frontières	
iPraktikum <i>Swift, SwiftUI, ARKit, Java, Spring, Hibernate, MariaDB</i>	April 2020 – August 2020
<ul style="list-style-type: none">• Developed a physiotherapy app that uses cutting edge augmented reality technology to assist patients at home• Responsible for the user interface and experience, as well as the augmented reality feature of the app	

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, HTML/CSS, SQL
Frameworks & Libraries: React, React Query, Tailwind CSS, Redux, Cypress, Spring, JUnit, Apache Kafka
Databases: PostgreSQL, MongoDB
Developer Tools: Git, IntelliJ, Visual Studio Code, Bash (Unix Shell), Docker
Design Tools: Adobe Photoshop, Adobe Illustrator, Adobe Lightroom, Figma, Sketch