Patrick **Baracho Dittrich**
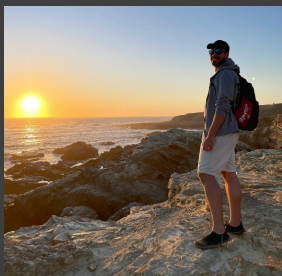
Profile Summary

I am currently pursuing a master's in medical informatics with a strong passion for technology. My hobbies include home networking, and I have a keen interest in AI and software development. I love sports, particularly bouldering and volleyball. I use both Windows and Linux operating systems.

Contact details

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✎ sturmcamper.github.io

Personal information

Citizenship: **German**

Family: **Singel**

Mother Tongue: **German**, **Portuguese**

Languages: **English**, **Spanish**,

Skills

- **Backend:** Kotlin, Java, Python, Spring (Boot), Flask, SQL-DB(PostgresSQL), NOSQL-DB(MongoDB)
- **Frontend:** Kotlin, Ruby, JS, Vue.js/ Nuxt.js, Jekyll
- **Machine Learning:** Pandas, Tensorflow, Sparks, Matplotlib, Seaborn
- **Cloud:** Self Hosting, AWS, Google Cloud
- **Tools:** Git, Docker, CI/CD(Git-Lab), Github-Actions, Maven, Gradle
- **OS:** Linux/GNU, Unix, Windows, Proxmos

Experience

Acadamic Worker at *Hochschule Heilbronn.*   **2022.09–Today**

◇ *Software-Lab 1 & 2, Prog 1 & 2:* Supporting the IT faculty in bachelor courses by teaching and developing practicals for students. The Students use Java in conjunction with Frameworks like Spring-Boot or Meecrowave. As a Frontend modern Javascript frameworks are beeing used such as Vue.Js or Svelt.Js. Also there is a Focus on containarization using docker is beeing taught.

◇ *Ilias:* Administering the faculty's learning platform. Providing first-level support, which includes resolving user issues and maintaining the faculty site to ensure the platform remains user-friendly.

Tutor at *Hochschule Heilbronn.*   **2020.09–2022.07**

◇ Assisting students in various practicals such as Mobile Lab and Database 2. Mobile Lab includes supporting Kotlin Android app development, while Database 2 involves assisting with SQL databases using PostgreSQL.

Expertiese

Reasearch Project at *HHN/ ZML*   **2024**

◇ Impact of Spatial Dimensions in EEG Data on Depression Classification Using Convolutional Neural Networks

Publication at *GMDS*   **2022**

◇ Development of a Web Application Prototype for Interactive Visualization of the German Health Web

Education

Master of Scince in Medical Informatics *Heidelberg University*. **2022–2025**

Bachelor of Science in Medical Informatics *Heidelberg University*. **2018–2022**

Hobbies / Social Engagement

◇ Bouldering, volleyball, running, playing the violin

◇ Volleyball coach for the university of HHN, Team manager of my volleball team (Auenstein/ Mixed)