

Seeking a Student Assistant in Data Engineering and/or Software Development

The *Ludwig Boltzmann Institute for Digital Health and Prevention* (LBI-DHP; <https://dhp.lbg.ac.at/>) researches novel technology-assisted interventions to provide long term, sustainable, efficient and effective support to patients for health-promoting behavior change.

In close collaboration with our partners at the *Paris Lodron University Salzburg* (PLUS; Faculty of Mathematics and Center for Human-Computer Interaction), the *University of Applied Sciences* (FH Salzburg), *Salzburg Research*, the *Austrian Institute of Technology*, and the *University Hospital of Salzburg* (SALK), the LBI-DHP follows an impact-oriented research agenda. That aim is pursued by bringing together interdisciplinary expertise and approaches both within the institute research group, as well as through the partner network that also includes a broad range of local stakeholder organizations. Novel digital health systems and interventions are developed and evaluated at levels ranging from exploratory prototypes to scalable publicly available platforms and clinical outcome studies.

Tasks

You will provide support in developing the DH-Convener platform, in particular through:

- Participating in developing the interoperability layer for integrating mHealth apps
- Developing an application for reading health data from third-party APIs
- Other related tasks

Qualifications

- Express interest in mHealth apps interoperability and related data engineering concepts
- Skills in data sciences, software design and development
- Programming skills: python, Java, SQL, HTML, etc. Familiarity with firebase, Apache, docker, API, JSON Cocoa Pods, and JDBC is a plus.
- Ideally, ongoing masters education in one of the following areas: data engineering, software development, or similar
- Independent work style and high self-motivation
- Interest in complex and challenging tasks and topics
- Excellent problem-solving skills, flexibility, resilience, and teamwork ability
- Good conduct of the English language

Details:

- Work hours: 8-10 hours per week (with the possibility to top up during summer)
- Location: Ludwig Boltzmann Institute for Digital Health and Prevention at the University Hospital of Salzburg (SALK), Lindhofstrasse 22, 5020 Salzburg, Austria
- Earliest start: 1 July 2022
- Salary: Monthly gross salary EUR 485,- (12 times per year, 40 hours per month)

For informal queries please feel encouraged to contact:

Please send your application including CV, as well as optionally a portfolio of your work, implementation, and/or other work and project experiences in any format (PDF, GitHub, website, etc., links to common trusted cloud storage providers are fine for larger file sizes) to office@dhp.lbg.ac.at until 20 June 2022.



We offer you an interesting position in one of the largest private research organizations in Austria. The *Ludwig Boltzmann Institutes* are part of the *Ludwig Boltzmann Gesellschaft*, a not-for-profit research institution with a thematic focus on medicine, life sciences and the humanities, social sciences and cultural sciences, and is specifically targeting new research topics in Austria. Together with academic and implementing partners, the LBG is currently running 21 institutes and develops and tests new forms of collaboration between science and non-scientific actors such as companies, the public sector and civil society. The LBG aims to identify and swiftly tackle relevant challenges in society to which research can contribute at an early stage. The *Ludwig Boltzmann Gesellschaft* employs more than 500 people. With us, you can expect a dynamic environment, appreciative teamwork, as well as further training and personal development opportunities.

The LBI-DHP is a closely collaborating group of 15 to 20 highly motivated researchers, as well as technical and administrative staff. The research institute is located at the *University Hospital of Salzburg* near the heart of the historic city center. Salzburg is frequently recognized as one of the most desirable places for quality of life in Austria and beyond. The city offers excellent public infrastructure, family-friendly lifestyle, world-class cultural events, and is also in close vicinity to a wide array of alpine sports and recreation opportunities.



The Ludwig Boltzmann Institute for Digital Health and Prevention partner network:

