

At the **Quality and Usability Lab** of **Telekom Innovation Laboratories**, which is part of **Berlin Institute of Technology** (TU Berlin), there is an opening for a



Student Job (80h) / Master Thesis

for the following topic:

Voice Analysis – What your voice reveals about you!

FAKULTÄT IV
Elektrotechnik und Informatik
Quality and Usability Lab
Telekom Innovation Laboratories
Prof. Dr.-Ing. Sebastian Möller

Kontakt: Tim Polzehl
E-Mail: tim.polzehl@telekom.de

The **Quality and Usability Lab** and the **Telekom Innovation Laboratories** are looking for a student worker. Our institute hosts an active **research laboratory**. Influences from **industry** counsel our ambitions for future quality of communications. Every project team works as **joint team of industry experts, senior researchers** and **students**, thus ensuring optimal scientific supervision and targeted industrial directions. The student will also learn how to work in **interdisciplinary, international** teams, and how to **combine scientific expertise with industry needs**, which will reveal **paramount** for job applications after finishing your studies!

In this offer, the student will mainly develop and implementing algorithms for signal analysis and machine learning for voice mining from, e.g. melody or rhythm. User tests and experiments will evaluate findings, mobile user interfaces (Android, iOS) will accompany the workflow towards prototyping. Current works detect emotions or personality traits from speech.

Your applications should include cover letter and CV with academic performance (grades). Please send questions and applications by E-Mail to tim.polzehl@telekom.de

Requirements:

- Good programming skills in Java or C/C++
- Sufficient background in signal processing, machine learning
- Sufficient experience with programming for mobile devices
- Openness to international and academic/industrial team
- English a plus, not mandatory



Programming and Mobile Applications
of Speech Processing in Java or C/C++
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