

# Lukas Graber

Student



(+49)1753466733



www.lukas-graber.tk



graberlukas09@gmail.com



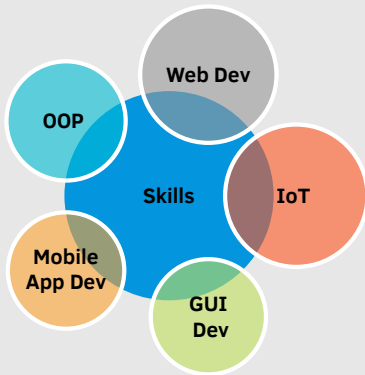
/in/lukas-graber/



lulu98

## Skills

Overview



## Programming

0 LOC —————> 6000 LOC

C • Python • C#

HTML5 • CSS • JS • PHP

Java • R • C++

## Technical Knowledge

0 —————> 5

Linux • Git • PyQt •  $\LaTeX$

Android Studio • Docker • RasPi

## Languages

beginner —————> native

German

English

## Education

2019 - **MSc., Computer Science** Technical University of Munich (TUM), Germany

2016 - 2019 **BSc., Computer Science** (Grade: 1.0) University of Tuebingen, Germany

2016 **Abitur** (Grade: 1.0) Scheffel-Gymnasium Bad Säckingen, Germany

## Experience

Feb 2019 - Aug 2019 **Working Student** Bosch Connected Devices and Solutions (BCDS) GmbH

- Developed a Human-Machine Interface (HMI) for a structure-borne noise sensor called Intelligent Vibration Analysis Sensor (IVAS).
- Coordination with an external design agency as well as implementing the HMI, according to the Bosch Design guidelines.

## Projects

Mar 2020 **COVID19 Tracker**

- **COVID19 Web Tracker** - A web application that serves as a real-time tracker for COVID19.
- **COVID19 Mobile App** - A mobile app that provides basic data for countries affected by COVID19. The app is built with Java in Android Studio.

Mar 2020 **LOC Counter for GitHub**

- Python application that counts the lines of code (LOC) for all repositories of a specific user account on GitHub.

Feb 2020 **Music Transcription Tool**

- **Melody Detection** - records sound over a microphone and extracts a melody from the recording. The recognized melody will then be translated into a musical notation and put on a digital notesheet.
- **Chord Detection** - records sound over a microphone and detects the different musical notes in the given chord.
- **Audio Spectrogram** - analyzes the recorded sound and generates an Audio Spectrogram.

Sep 2019 **Retro Games**

- Web application featuring some of the old retro games like Pong, Snake, Tetris and Space Invaders.

Sep 2018 **Voice Controlled Calculator**

- A small .NET application written in C#.
- The calculator uses the built-in Speech Recognition from Microsoft and translates spoken formulas into a mathematical expression and calculates the result of this expression.

## Awards & Certificates

2019 **IELTS Academic**  
• Score: 8.0/9.0 - CEFR Level: C1

2016 **DMV Mathematics Price**

2015 **Driving License**  
• Car Classification: B