



Martin Šimák

Electrical engineering student

- ▶ 10 February 1999, Czechia
- ▶ ISTQB Certified Tester
- ▶ European driving license class B

Skills

TeX advanced

MATLAB advanced

Linux (Arch/Debian) advanced

AWR MO advanced

CST Studio Suite intermediate

Python intermediate

C intermediate

VHDL intermediate

C++ beginner

Czech native

English B2/C1

German A1

Profile

I am an electrical engineering student with a major focus on radio-frequency engineering. Currently, I also work on a microwave research project for the faculty and as a test engineer for a prominent telecommunication company. Apart from my career interests, I have played the piano for 12 years, hence I have a strong passion for music, and I enjoy most kinds of sports, especially football and swimming.

Education

Electronics and Communications

FEE CTU in Prague

2022 - present

I have chosen this master's degree programme with a specialization in Radio Communications and Systems where I further deepen my knowledge in radio-frequency engineering, such as microwave circuits or antenna theory.

Open Electronic Systems

FEE CTU in Prague

2019 - 2022

For my bachelor's degree studies, I had chosen this programme focused on the fundamentals of electrical engineering from the theoretical viewpoint which offered me a robust understanding of the principles required for further research.

Maturity exam

Pierre de Coubertin Grammar School in Tábor

2014 - 2018

Academic activity

Participant

ITSS-TSaT

2023

Through my professor, I have participated in the 32nd International Travelling Summer School on Terahertz Science and Technology (ITSS-TSaT).

Research assistant

Dept. of Electromagnetic Field, FEE CTU in Prague

2023-present

Based on my good results during the courses on microwave circuits, I have been offered participation in a microwave research project for a Czech company Argotech. My work on this project is focused on writing a post-processing MATLAB script performing offline calibration of measured data and verifying the precision of measurement on a microwave probe station from DC to 110 GHz.

Employment history

Test Engineer

2N TELEKOMUNIKACE a.s.

2022-present

Working in a modern, international telecommunication company helped me get a better understanding of software development practices such as working in a full-stack Agile team. I specialize in test automation with Python.

Contact

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Mathematics and physics lecturer

FEE CTU in Prague

2021

During the summer semester of the academic year 2020/2021, I co-lead the courses in high-school mathematics and physics for students of the faculty.

Junior Helpdesk Operator

S&T CZ s.r.o.

2021, 2020

This summer job involved working for an extern company delivering technical support for the Ministry of Foreign Affairs of the Czech Republic.

Tour guide

Castle Orlík, Castle Konopiště

2018, 2019

During this summer job, I have conducted large groups of people in both Czech and English, which helped me improve my public presentation in both languages.

Fitter

EFAFLEX-CZ s.r.o.

2015, 2016, 2017

From my first regular summer job, I gained the practical experience of a manual labourer in a mechanical company.