



# LUKAS FURTNER

**Phone:**

+43 660 \*\*\*\*\*

**E-Mail:**

[furtner.lukas@gmail.com](mailto:furtner.lukas@gmail.com)

**Linkedin:**

[linkedin.com/in/lukas-furtner](https://linkedin.com/in/lukas-furtner)

## Skill Highlights

- Programming (C, C++, Python, Java, Matlab, ...)
- Security fundamentals
- Problem-solving and analytical thinking
- Collaboration and teamwork
- Adaptability and flexibility
- Project management

## Languages

German – Native Language

English – C1

I am an **Information and Computer Engineering** student with a strong foundation in programming, data structures, algorithms, and electronics. Skilled in designing and implementing computer systems and networks, I am passionate about staying up-to-date with the latest advancements in technology to develop innovative solutions.

## Experience

06/2023 to 11/2023

**Student Project Employee - University of Technology, Graz, Austria**

- Development of software and hardware (master thesis)

10/2019 to 01/2023

**Student Employee - University of Technology, Graz, Austria**

- Fundamentals of computer science tutor
- Electronics lab tutor
- Electromagnetic compatibility of integrated circuits tutor

03/2018 to 09/2018

**Application Developer - SIGMATEK, Salzburg, Austria**

- Development of various applications
- Development of a test system for applications

## Education

2022-now

**Master of Science: Information and Computer Engineering (Major: Information Security, Minor: Embedded and Automotive Engineering) – University of Technology, Graz, Austria**

2018-2022

**Bachelor of Science: Information and Computer Engineering – University of Technology, Graz, Austria**

2012-2017

**High School Diploma: Electrical Engineering – Higher Technical Collage, Salzburg, Austria**

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## Achievements

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**RTBS Award**

- Price for the best hardware/software of the university course "Real Time Bus Systems" – 2021, TU Graz

**Austria's Energy Award for Matura Projects**

- Electronic race go-kart – 2017, Austria

**Fistball U18 National Team**

- Part of the extended carda – 2015 - 2016, Austria

**Gifted and Talented Development Programs**

- High school students to universities – 2015, FH Salzburg
- Informatics – 2011, HTL Braunau
- "CHEMBILAB": chemical-biological lab – 2010, HTL Braunau

**4 Times Mathematical Kangaroo Winner**

- 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> grade – 2009 - 2012, secondary school Ostermiething

## Hobbies and Interests

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In my free time, I enjoy pursuing a variety of hobbies. As a firefighter and paramedic, I have a passion for helping others and keeping my community safe. Additionally, I am an avid sports enthusiast and enjoy playing various team sports such as volleyball and tennis. For a more adrenaline-fueled experience, I also enjoy skydiving and the thrill of jumping out of a plane at high altitudes. When I am in the mood for something more creative, I love to play the piano, which provides a relaxing outlet for my emotions and allows me to express myself musically. These hobbies not only keep me physically and creatively active but also teach me valuable skills such as teamwork, quick thinking, and risk management.

## Portfolio

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<https://lukasfurtner.github.io/>

## References

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References available on request.