

# LUKA SMOLOVIĆ

Student of electrical engineering and computing

## CONTACT

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## EDUCATION

B.S.

Faculty of Electrical Engineering

September 2021 - current

Belgrade

## SKILLS

Python

SQL (MySQL, PostgreSQL, NoSQL)

Unix, Git

C, C++

MATLAB

VHDL

Altium CircuitMaker

## CERTIFICATIONS

KSER 2024

## SUMMARY

Final-year student at the School of Electrical Engineering in Belgrade, majoring in Electronics and Digital Systems, with basic knowledge and experience in programming. I am eager to apply the knowledge I have acquired in C++, Python, and MATLAB through practical projects. I am seeking opportunities for further development and learning by working on challenging projects and collaborating with experienced professionals. I am motivated for continuous improvement and problem-solving.

## PROJECTS

### Family Tree

"The family tree program in C++ allows searching the family tree based on the entered name of a member and their father. It is possible to determine the common ancestor for any two members."

### "Measuring skin resistance and detecting heartbeats."

The project involves implementing a printed circuit board in Altium CircuitMaker software, which measures changes in skin resistance and detects heartbeats. The circuit utilizes electrodermal activity to measure skin resistance and photoplethysmography to measure changes in blood density in the finger.