

NIKOLAY TULUPOV

2 YEAR STUDENT, 19 Y.O.

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区 Skills

Technical skills

- > </> Programming languages
- C++ C Python x86-64 assembly
- > X Tools
- CMake Git LaTeX MicroCap MatLab
- **>** □ Devices
- Arduino STM32 RaspberryPi
- > 👌 OS
- Windows Ubuntu
- > > Craft
- Soldering Milling cutting 3D printing Laser cutting

■ Soft skills

- > Problem-solving and critical thinking
- **>** Communication
- > Self-learning
- > Planning



Moscow Institute of Physics and Technology

2022 - 2026

DEPARTMENT OF RADIO ENGINEERING AND CYBERNETICS



LLC PromSvyazRadio http://prsvradio.ru/

01.2024 - Present

ASSISTANT TO THE CHIEF ENGINEER



Projects

> Interface for remote control of radiostation [Link!]

Interface for remote control of the Motorola XTL 2500 mobile radio station. The STL library for C++ is used, and it is planned to use STM32 to create a secure IP connection.

Tools: C++, Make, IAR ER for Arm

> Radio-controlled airplane [Link!]

Model of a radio controlled airplane made of foam plastic with a remote control mode on Arduino Uno, a receiver for the airplane on Arduino Nano.

Tools: Soldering, Arduino IDE, C

> Raspberry Pi programms [Link!]

Simple programs for Raspberry Pi - flashing LEDs on the plug-in board, programming the ADC and DAC, using a comparator

Tools: Python, layout board, Raspberry Pi

> Python games [Link1] [Link2] [Link3]

Simple Python games using the Pygame library. *Tools:* Python, Pygame

> String functions from C [Link!]

Improved functions for strings in C. *Tools:* C, Make

Hobbies & Interests

- > **d** Playing the guitar
- > 🖨 Cars and autosport