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## Technical skills

### Proficient

Robot Operating System (ROS)  
Python  
C++  
Ruby  
UNIX  
Git  
FIWARE  
Microcontrollers  
Electronics  
Solidworks CAD

### Familiar

C  
Java  
VHDL  
Ruby on Rails  
JavaScript  
Docker  
Unity Engine  
Siemens NX CAD/CAM  
NI LabView

### Personal skills

Hard-working  
Motivated  
Organized  
Team player  
Troubleshooting  
Time management

### Languages

Russian	Native
English	Fluent
Estonian	Fluent

# SERGEI JEGOROV

## About

Computer and Systems Engineering MSc student, focusing mainly in the field of robotics, embedded systems, mechatronics. Experienced in operating industrial robots, controllers, as well as ROS-based robots. Interested in improving skills in hardware programming, electronics, and web development. Fond of learning and understanding new things.

## Experience

### ROS Developer

Tallinn University of Technology | September 2020 | PSG453 research project

- programmed physics of electric drive Digital Twin
- co-authored several research articles on Digital Twin technologies

### Mobile Robotics Engineer

Tallinn University of Technology | September 2020 – February 2021 |

- connected mobile robots to Industrial IoT application for handheld devices
- improved mobile robot navigation by connecting NDT matching localization algorithm with native ROS SLAM
- maintained and debugged robots

### Development Engineer

IMECC OÜ | July 2018 – July 2019 | L4MS Horizon2020 project

- developed sensor monitoring system for Industrial Logistics IoT platform
- interfaced sensor monitoring system with FIWARE Orion Context Broker
- created an HTTP server that translated custom sensor messages to FIWARE NGSI messages

## Education

### Higher education

Tallinn University of Technology | 2016 – 2019 | BSc Integrated Engineering

Tallinn University of Technology | 2020 – | MSc Computer and Systems Engineering

### Vocational education

Tallinna Tööstushariduskeskus | 2017 – 2018 | Robotics Technician