

Matvey Panteleev

✉ m.d.panteleev@gmail.com | 📍 St. Petersburg, Russian Federation

Education

St.Petersburg Polytechnic University (SPbPU)

BS IN ROBOTICS & MECHATRONICS

GPA: 4.9/5.0

St. Petersburg

Sep 2018 – June 2022

Experience

Russian State Scientific Center for Robotics and Technical Cybernetics

ROBOTICS ENGINEER

- Developed tools for automatic radio channel bandwidth testing.
- Participated in robotic system development in various roles.

St.Petersburg

November 2021 – Present

Innopolis University

INTERNSHIP

- Developed tools for automatic radio channel bandwidth testing.

August 2021

Skills

Tools: C/C++, Python, ROS, OpenCV, Matlab, Embedded Development

CAD: Fusion 360, Altium Designer, Solidworks, Visual Components

English: C1 (IELTS 8.0)

Projects

Orthogonal Fisheye Stereo Vision System

A STEREO SYSTEM BASED ON ORTHOGONALLY PLACED FISHEYE CAMERAS.
ALLOWS TO GET DEPTH DATA FOR A WIDE RANGE OF CAMERA CONFIGURATIONS.

OpenCV, C++, Unity

https://github.com/QuoZer/fisheye_stereo

Manipulator

A ROS-CONTROLLED 5DoF MANIPULATOR BASED ON STM32 MCU

C, STM32, ROS

https://github.com/QuoZer/Tertiarm_ROS-STM

VR Cobot Trainer

A VISUAL COMPONENTS BASED APPLICATION FOR COBOT PROGRAMMING IN VR. THE PROJECT IS BEING DEVELOPED INTO A STARTUP WITH A STATE GRANT HELP.

Python, Visual Components

Quadruped Robot ROS integration

A ROS WRAPPER FOR UNITREE A1 QUADRUPED ROBOT API. TESTED WITH SLAM APPLICATION.

C++, ROS

https://github.com/SailorTheMan/unitree_slam

Awards

May 2021

NTI Contest winner team, Assembled and lead a team that won an Intellectual Robotic Systems track of National Technical Initiative Contest.

Innopolis university