

# IVAN BURAKOV

Python Developer

## CONTACTS/LINKS

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## PORTFOLIO

**Website:** <https://frostib.pythonanywhere.com/>

**GitHub:** <https://github.com/FrostIB18>

## COMPUTER SKILLS

- Python
- Django, Kivy, Pygame
- NumPy, SciPy, matplotlib
- PostgreSQL, MySQL, SQLite
- HTML, CSS, Bootstrap
- Git
- MathCad

## LANGUAGES

English - C1 (Advanced)  
Italian - A2 (Pre-Intermediate)

## INTERESTS

- Robotics
- Gamedev
- Reading of educational literature
- Sports (running, bouldering, table tennis)

## PROJECTS

Created:

- an online clothing store and a personal website using **Python Django** and **SQLite** DBMS
- a web application "ToDoGo" for managing tasks using **Python Django** and **PostgreSQL** DBMS
- a computer game "SpaceDefender" using **Python Pygame**
- a mobile calculator "mCalc" for Android using **Python Kivy**

## WORK EXPERIENCE

**RSC «ENERGIA» NAMED AFTER S.P.KOROLEV**

*February 2021 - October 2022*

**System engineer of the 2 category, Manned Transport Vehicle Design Department**

- Calculated an energy balance of the spacecraft's systems on different stages of flight using **Python**
- Plotted a cyclogram of systems consumption for the entire flight segment of spacecraft using **Python**
- Developed one of the options for a design of a spacecraft compartment
- Proposed and worked out a version of a design of a spacecraft compartment significantly increasing its volume by **1.5 times**
- Developed and issued a set of pre-project documentation
- Built a 3D model of a system assembly, including **100+** interconnected components

**MOSCOW AVIATION INSTITUTE (NATIONAL RESEARCH UNIVERSITY)**

*Technician, Design Technologies Department*

*July 2018 - February 2019*

- Created several 3D models of various aircraft structural elements, subsequently included in the working documentation

## EDUCATION

**MOSCOW AVIATION INSTITUTE (NATIONAL RESEARCH UNIVERSITY) - 2016-2022**

**Cumulative GPA: 4.95/5**

*Specialist of Design, Production and Operation of Rockets and Space Complexes (equal to Master's)*

**Achievements:**

- Diploma with honor
- Awarded for a high scholarship for participation in social activity of the institute
- Calculated an optimal launch trajectory for designed launch vehicle using **Python** (NumPy, SciPy, matplotlib)

**COURSES**

**Sololearn - November 2021-April 2022**

Python Core, SQL, HTML, CSS

**Udemy - August 2022**

Python Django

## ADDITIONAL ACTIVITIES

- 4 months of English speaking practice in the USA
- 6 months of system engineer experience at the robotics exhibition "Robostation" in Moscow