

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, Django REST framework, 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, Python Django, 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