



# Kasiuk Alina

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Reside in: Spain

Citizenship: Russia

Ready to relocate, ready for business trips

## Desired position

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### Flight Control Engineer. Mathematician.

Science, Education

- Computer Science, Information Systems
- Aerospace Engineering
- Control and Robotics
- Mathematics
- Machine learning

## Work experience — 6 years 4 months

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### Univerity of Huelva. Control & Robotica research group

Spain, [www.controlyrobotica.com/en/](http://www.controlyrobotica.com/en/)

#### Master student practice in a research group

Training to develop the following tasks: specialized Sensoristics; planning and design of imaging experiments and validation data; execution of experiments; development and formalization of computer vision algorithms, including image processing and analysis techniques, such as mathematical morphology and machine learning; critical and formal analysis of results; formal scientific documentation.

June 2020 —  
July 2020  
2 months



### S.P. Korolev Rocket And Space Corporation «Energia»

Korolev, [www.energia.ru/](http://www.energia.ru/)

#### FLIGHT CONTROL ENGINEER

Working in a Mission Control Center position providing flight control to the International Space Station (ISS) Operations in the area of mission timeline development.

September 2016 —  
September 2019  
3 years 1 month

#### Duties:

- \* the development of the daily timeline of ISS systems work;
- \* controlling ISS system operations from mission control;
- \* test and verification of operational products and analysis;
- \* the development and maintenance of operations products;
- \* designing, developing and implementing new services, applications;
- \* analyzing large data sets;
- \* training and mentoring junior and new staff;
- \* real-time work;
- \* shift work.



## Khrunichev State Research and Production Space Center

Moscow, [www.khrunichev.ru/](http://www.khrunichev.ru/)

### WORKING STUDENT

March 2014 —  
October 2015  
1 year 8 months

Worked at Flight dynamics & control systems department. Participated in the development of an application providing the calculation of errors in control forces assessment.

#### Duties:

- \* involved in developing new applications, components & functionality to existing systems;
- \* designing, developing & implementing new functionality;
- \* making calculations;
- \* conducting literature or internet searches
- \* drawings and documentation updates;
- \* writing formal documentation according to Russian standards



## European Student of Industrial Engineering and Management (ESTIEM)

Moscow, [www.estiem.org/](http://www.estiem.org/)

### Active participante

Participated in the network of "European Student of Industrial Engineering and Management" represented by 80 Local Groups in 30 European countries including Local Group Moscow in Bauman Moscow State Technical University. All these independently-functioning local student associations organize Europe-wide and local activities, and represent ESTIEM in their universities.

Now being an active alumni participante

- participated in international cultural and educational events
- attending company visits and management skills trainings
- being a part of organizing team of international and local events
- developing training and briefing materials;
- being responsible for designing advertisements, brochures, flyers and online graphics



## Youth Space Center

Moscow, [sm-bmstu.ru/faculty/mkc/](http://sm-bmstu.ru/faculty/mkc/)

### Active participante

Participated in a community of students in Bauman Moscow State Technical University with scientific interests in space and rocket technologies. Being a part of research team of student space projects. Attended international workshops "Space Development: Theory and Practice".

- researching in the student space laboratory
- attended international workshops in Moscow and Houston.
- writing up research papers and presenting research findings at academic meeting
- delivering presentations to audience and industry professionals
- responsible for some administrative tasks

September 2013 —  
June 2016  
2 years 10 months

## Education



## University of Seville

Mathematics, Master's Degree

2020



## Bauman Moscow State Technical University

Aerospace Engineering, 6-years Diploma of Specialist in Engineering with distinction

2016



### Machine Learning y Python

Mainfor Innovación Tecnológica y Educativa

2020



### Robotics: Aerial Robotics

University of Pennsylvania. Coursera

2019

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## Key skills

### Languages

Russian — Native

English — C1 — Advanced

Spanish — B2 — Upper Intermediate

German — B1 — Intermediate

### Skills

C++ MS Visual Studio MatLab Python R Mathematical Analysis Mathematical Modeling  
Machine learning Reinforcement learning Computer vision Software Development  
Academic research Flight Dynamic Orbital Mechanic MS Office Adobe Photoshop  
CorelDRAW Graphic Design AutoCAD Problem Solving Time management

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## Driving experience

Driver's license category B

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## Additional information

### About me

Master in Mathematics student in the University of Seville. Graduated engineer specialized in flight dynamics and control with understanding of professional software development practice. Having experience in the field of spacecraft flight control in Russian Space Agency.

Currently I am interested in the topic of Machine learning, specially Reinforcement learning and its application in aerial robotics (drones). Looking for a job in mathematics and engineering in Spain.