



Kasiuk Alina

Female, 27 years, born on 12 October 1993

Phone: +34 (643) 731487

alina.kasiuk@gmail.com — preferred means of communication

Skype: jupiterianw@gmail.com

Facebook: <https://www.facebook.com/jupiterian13>

LinkedIn: <http://linkedin.com/https://www.linkedin.com/in/alina-kasiuk-40a51486/>

Reside in: Spain. Permission to work in EU.

Citizenship: Russia

Ready to relocate, ready for business trips

Desired position

Flight Control Engineer. Mathematician.

Science, Education

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

Work experience — 7 years



ABIONICA SOLUTIONS

Alicante, Spain, abionica.com

February 2020 —
currently
7 months

Artificial Vision Engineer – UAVs / Aerospace

Development of Artificial Vision systems. SW and real-time image processing algorithms development and implementation.

Creation the UAV navigation system model with Matlab/Simulink environment, code generation and verification.



Universidad
de Huelva

University of Huelva. Control & Robotics research group

Huelva, Spain, www.controlrobotica.com/en/

Master student practice in a research group

Training to develop the following tasks: 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 —
August 2020
3 months



S.P. Korolev Rocket and Space Corporation «Energia»

Korolev, 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.

Development of the daily timeline of ISS systems work. Controlling ISS system operations from mission control. Designing, developing and implementing new services, applications.

Training and mentoring junior and new staff. Real-time work. Shift work.

September 2016 —
September 2019
3 years 1 month



Khrunichev State Research and Production Space Center

Moscow, 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. Involved in developing new applications, components & functionality to existing systems. Drawings and documentation updates. Writing formal documentation according to Russian standards



European Student of Industrial Engineering and Management (ESTIEM)

Moscow, www.estiem.org/

March 2014 — January
2017
2 years 11 months

Active participant

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 participant



Youth Space Center

Moscow, sm-bmstu.ru/faculty/mkc/

Active participant

September 2013 —
June 2016
2 years 10 months

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". Attended international workshops in Moscow and Houston. Writing up research papers and presenting research findings at academic meeting.

Education



University of Seville

Mathematics, Master's Degree
2020



Bauman Moscow State Technical University

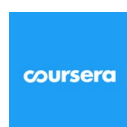
Aerospace Engineering, 6-years Diploma of Specialist in Engineering with distinction
2016

Professional development, courses



Machine Learning y Python

Mainfor Innovación Tecnológica y Educativa
2020



Robotics: Aerial Robotics

University of Pennsylvania. Coursera
2019

Key skills

Languages

Russian — Native
English — C1 — Advanced
Spanish — B2 — Upper Intermediate
German — B1 — Intermediate

Skills

C++ MS Visual Studio Python R Mathematical Analysis MATLAB / Simulink
Mathematical Modeling Algorithms Development Software Development Machine learning
Reinforcement learning Computer vision Neural Networks Image Processing
Academic research Flight Dynamics Navigation Flight Control Orbital Mechanics
Graphic Design Adobe Photoshop CorelDRAW AutoCAD MS Office

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.

Currently I am interested in the topic of Machine learning, especially Reinforcement learning and its application in aerial robotics (drones). Also having experience with image processing. Looking for a job in mathematics and engineering.