

Aliaksei Ivanou

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Facebook | LinkedIn | GitHub

Current residence: Belarus, Minsk
Citizenship: Belarus

SKILLS

MATLAB • C/C++ • LaTeX • Ruby • JAVA • LabVIEW • System Tool Kit • Digital Signal Processing
Aerospace Technologies • Satellites • UAV • Remote Sensing

EDUCATION

BELARUSIAN STATE UNIVERSITY

BS in Radiophysics, Satellite information systems and technology
Average GPA : 6.61 / 10.0

September 2007 – July 2012 | Minsk, Belarus

SAMARA STATE AEROSPACE UNIVERSITY

Summer Space School

3.5 ECTS | August 2011 | Samara, Russia

3.5 ECTS | August 2013 | Samara, Russia

MOSCOW STATE UNIVERSITY

Youth Scientific School

October 2009 | Kostroma, Russia

Short practice

November 2009 – December 2009 | Moscow, Russia

Youth conference with elements of scientific school

March 2011 – April 2011 | Moscow, Russia

COURSES

ENGLISH LANGUAGE

A1. Elementary level

Exam : 98 / 100

September 2015 – December 2015 | Minsk, Belarus

A2. Pre-Intermediate level

Exam : 98 / 100

January 2016 – May 2016 | Minsk, Belarus

B1. Intermediate level

Exam : 82 / 100

September 2016 – December 2016 | Minsk, Belarus

B2. Upper-Intermediate level

Exam : 60.5 / 100

January 2017 – May 2017 | Minsk, Belarus

C++

C++ Programming

March 2018 – May 2018 | Minsk, Belarus

C++ Development Fundamentals: White Belt

February 2020 – March 2020 | Minsk, Belarus

C++ Development Fundamentals: Yellow Belt

March 2020 – ... | Minsk, Belarus

C++ EPAM Mentoring Program

May 2020 – ... | Minsk + Brest, Belarus

LATEX

Documents and presentations in LaTeX (Introduction to LaTeX)

May 2016 – June 2016 | Minsk, Belarus

RUBY

Building web applications with Ruby on Rails (course.by)

February 2015 – June 2015 | Minsk, Belarus

JAVA

Java. JD1. Programming in Java

October 2012 – December 2013 | Minsk, Belarus

LABVIEW

LabVIEW – Basics I

December 2010 | Minsk, Belarus

LabVIEW – Data Acquisition

January 2011 | Minsk, Belarus

PELENG, JSC

Design Engineer, Space Division

August 2012 – December 2019 | Minsk, Belarus

• Participation in development of optical sensors for satellites "Belarussian Spacecraft", "EgyptSat-2", "EgyptSat-A", "Monitoring-SG", "Meteor-MP", "Obzor-O", satellites series "Kanopus-V", optical sensor for UAV.

• Participation in flight tests and operation control of satellites "Belarussian Spacecraft", "EgyptSat-2", "EgyptSat-A", satellites series "Kanopus-V".

• Participation in flight tests and operation control of optical sensor for UAV.

• Development of image compression algorithm (ADPCM): **MATLAB**

• Writing the design projects.

• Planning of shooting during the flight tests: **Systems Tool Kit**

• Linear resolution analysis of images of the Earth surface: **MATLAB**

• Correcting gauge coefficients for photomatrixes for removing any defects in target apparatus operation: **MATLAB**

• Development databases: **MS Access Ruby on Rails PostgreSQL**

• Development of DB of remote sensing satellites: **Ruby on Rails PostgreSQL**

• Development of photo/video processing algorithms (debayer algorithm, conversion of image format, stabilization algorithm, image fusion algorithm, etc): **MATLAB**

• Adjustment and exhibition of image sensors in one plane.

• UAV IMU calibration: **MATLAB**

INFORMATION CENTER LAND CADASTRE DATA AND MONITORING OF LAND, RUE

Engineer, Department of navigation and information technologies

June 2010 – May 2012 | Minsk, Belarus

• Sales, installation and maintenance system of satellite monitoring of transport.

• Website Development: **CMS Joomla CMS Drupal**