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 2013 | Samara, Russia
3.5 ECTS | August 2011 | Samara, Russia

MOSCOW STATE UNIVERSITY
Youth conference with elements of scientific school
March 2011 – April 2011 | Moscow, Russia

Short practice
November 2009 – December 2009 | Moscow, Russia

Youth Scientific School
October 2009 | Kostroma, Russia

COURSES

ENGLISH LANGUAGE
B2. Upper-Intermediate level
Exam : 60.5 / 100
January 2017 – May 2017 | Minsk, Belarus
B1. Intermediate level
Exam : 82 / 100
September 2016 – December 2016 | Minsk, Belarus
A2. Pre-Intermediate level
Exam : 98 / 100
January 2016 – May 2016 | Minsk, Belarus
A1. Elementary level
Exam : 98 / 100
September 2015 – December 2015 | Minsk, Belarus

C++
C++ EPAM Mentoring Program
May 2020 – … | Minsk + Brest, Belarus
C++ Development Fundamentals: Yellow Belt
March 2020 – … | Minsk, Belarus
C++ Development Fundamentals: White Belt
February 2020 – March 2020 | Minsk, Belarus
C++ Programming
March 2018 – May 2018 | Minsk, 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 – Data Acquisition
January 2011 | Minsk, Belarus
LabVIEW – Basics I
December 2010 | Minsk, Belarus

EXPERIENCE

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, convertation 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.