**Aliaksei** **Ivanou**

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| SKILLS | |
| **MATLAB • C/C++ • LaTeX • Ruby • JAVA • LabVIEW • System Tool Kit • Digital Signal Processing**  **Aerospace Technologies • Satellites • UAV • Remote Sensing** | |
| EDUCATION | EXPERIENCE |
| 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 | 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**. |
| 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  С++  С++ 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 |