Izzat Mukhanov

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Summary

- I'm an engineer who likes programming, learning and team-working
- I prefer simplicity over complexity and knowledge over ignorance

Education

- [M.S. in Robotics, Control Engineering, Applied Informatics](#)   2012 – 2014
  École Centrale de Nantes

- B.S. in Telecommunications   2007 – 2011
  [Tashkent University of Information Technologies](#)

Work Experience

- Engineer, developer (C, C++, Python)   2014 - now
  Cross-platform library [libpointing](#) to work with transfer functions
  Company: [INRIA](#) with [Nicolas Roussel](#) and [Géry Casiez](#)

- Computer Vision and Machine Learning engineer   2014 (6 months)
  Pedestrian Detection and Tracking system [thesis] [video]
  Laboratory: [IRCCyN](#) with [Philippe Martinet](#)

- Intern, developer of [OpenSymoro+](#) (SYmbolic MOdeling of RObots)   2013 (4 months)
  3D-Graphics, Symbolic Computing and UI
  Laboratory: [IRCCyN](#) with [Wisama Khalil](#)

- Software engineer (Objective-C), iOS developer   2011 - 2012 (8 months)
  Company: [SSD](#)

- Intern, software developer (C/C++)   2010 - 2011 (10 months)
  Company: ProDVD (Project on Blu-Ray Video Processing)

- Intern, software developer and instructor (C#.NET)   2009 - 2010 (13 months)
  Company: [BePro](#)

Professional Skills

- Knowledgeable:
  - C, C++, Python
  - Building, packaging and documenting
  - Cross-platform development
  - Continuous integration, TDD, Jenkins
  - Git, Mercurial
  - Design Patterns
  - Matlab modeling and simulation
  - HTML, CSS, Markdown, Latex
- Familiar:
  - ROS, Robot Programming (Val/V+), Catia, Modeling of Robots
  - Objective-C, Pharo, C#.NET, PHP, SQL, JavaScript
  - OpenGL, OpenCV, CUDA
- Theoretical background:
  - Computer Vision, Machine Learning, Artificial Intelligence
  - Algorithms and Data Structures
  - Math, Optimization, Modeling

Publications

- **OpenSYMORO : An open-source software package for Symbolic Modelling of Robots**
  2014 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (355)

Miscellaneous

- Highly adaptable in quickly changing technical environments with very strong organizational and analytical skills
- Excellent interpersonal and communications skills
- Life-long learning oriented
- Driver's license

Languages

- English - fluent
- French - advanced
- Russian - native
- Uzbek - native

Hobbies

- Online courses
- Foreign languages
- Gym and cycling