

# Andrey Morozov

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📄 <https://github.com/aod314/>

## About

Cross-functional expert in the field of computer vision algorithms, hardware architecture, project management, QA and DevOps.

## Experience

**Nov 2020 - now** - **NVIDIA**, *Nizhny Novgorod, Russia.*

Senior DevOps engineer

**Optimization**, *Nov 2020 - now.*

Optimize CI process, Increase coverage of OS and architecture

**June 2017 - Nov 2020** - **Aquantia/Marvell Semiconductor**, *Nizhny Novgorod, Russia.*

Senior QA engineer

**Autotests**, *2017-2018.*

Write auto-tests and automation's multi-platform scripts.

**Tests for PHY**, *2018-2019.*

Write complex tests for PHY.

**CI/CD**, *2019-2020.*

Support and improve existing CI/CD system.

**Nov 2015 - June 2017** - **ANKH-NN**, *Nizhny Novgorod, Russia.*

CEO

**HighLoad**, *Sep 2016 - June 2017.*

Design and development web application for highload system

**Sep 2009 - Apr 2016** - **Itseez**, *Nizhny Novgorod, Russia.*

Software Engineer

**Continuous Integration**, *2010-2011.*

Deployed Buildbot for OpenCV project (<http://build.opencv.org/buildbot>)

**Building**, *May 2012 - Sep 2012, Kamchia, Bulgaria.*

Oversaw the construction of the planetarium.

**Agile**, *2013 - 2015.*

Co-author and lecturer of courses on agile development methodologies at UNN.

(<https://github.com/unn-vmk-software/agile-course-theory>)

**2D/3D computer vision**, *Sep 2012 - Jan 2014.*

Calibrate RGB cameras to calculate depth. Created application for Android. Team management.

**Optimization**, *Jan 2014 - Apr 2016.*

Low level optimization of algorithms of OpenCV for custom hardware(DSP)

**Jun 2005 - May 2010** - **School #91**, *Nizhny Novgorod, Russia.*

Teacher of additional education. Administrator of computer class.

## Education

2005 - 2011 **Lobachevsky State University, Nizhny Novgorod, Russia.**  
Faculty of Computational Mathematics and Cybernetics. Department of computer software.  
Master's Degree

## Skills

Languages python, bash, c/c++  
OS Linux, Windows, macOS  
Development **Agile:** TDD, Continuous Integration, XP, Scrum, Lean, Kanban  
technics  
VCS Git  
Tools vim, cmake, ninja, gcc/clang, docker, k8s, jenkins  
Frameworks opencv, tbb, cuda, opencl, pytest, postgresql

## Optional skills

Languages L<sup>A</sup>T<sub>E</sub>X, Go, Rust

## Interests

DevOps, CI/CD, Optimization, HighLoad, QA, BigData

## Main contribute to OpenSource Projects

opencv <https://github.com/itseez/opencv>  
Open Source Computer Vision Library (<http://opencv.org>)  
mpv <https://github.com/mpv-player/mpv>  
Video player based on MPlayer/mplayer2 (<http://mpv.io>)  
agile <https://github.com/unn-vmk-software/agile-course-theory>  
<https://github.com/unn-vmk-software/agile-course-practice>  
Master course on Agile Development (theory and practice)