

Anastasia Lyupa

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Objective

I am a skilled software engineer seeking employment with a company solving non-standard tasks. I've been working in a variety of projects from Linux kernel modules to Unreal Engine based simulator development. My major language is C/C++. Also I have Python programming experience. Besides I have research experience. I'm opened to new opportunities and challenges.

Experience

Feb 2013 – still here Samsung Research Russia

2019 **Engineer, Software Analysis Engineering, Sensor Data Part**, Development of a simulator for Robot Vacuum Cleaner. Writing map editor mode for the simulator, C++, Unreal Engine 4.

2018 **Engineer, Software Analysis Engineering, AI Tools Lab**, Development of a tool for combining several repositories into firmware. Setting up and maintaining CI, Python.
<https://github.com/Samsung/combirepo>

2017 **Software Engineer, SW Tools Lab**, Investigating issues in Tizen OS with ASan, SVACE. Fixing issues in system libraries. Preparation of reports and documentation, C/C++.
<https://www.tizen.org/>

2013 – 2016 **Junior Software Engineer, Tizen Platform Lab**, Low level profiling tool development for Tizen OS. Tizen bugs fixing and optimization, C, Linux.
<https://www.tizen.org/>

Development skills

Programming Languages

Advanced C, C++

Intermediate Python

Frameworks and tools

Unreal Engine 4 Writing applications based on game engine

Development Using build system related tools, shell scripting, Linux software development tools

CI Setting up and maintaining Jenkins server, prepare docker containers

VCS git

Latex Scientific writing

HPC computing Using MPI, CUDA technologies for numerical simulation

Publications

My research topic is multiphase flow simulation. Publications are listed in my Research Gate profile. Some of them are indexed by Scopus and Web of Science.

Research Gate https://www.researchgate.net/profile/Anastasia_Lyupa/publications

Education

- 2014 – 2019 **Computer Science and Computer Engineering**, *Moscow Institute of Physics and Technology*, Department of Control and Applied Mathematics, Postgraduate education, Reseacher.
- 2012 – 2014 **Applied Mathematics and Physics**, *Moscow Institute of Physics and Technology*, Department of Control and Applied Mathematics, Master's degree.
GPA 4.8
- 2008 – 2012 **Applied Mathematics and Physics**, *Moscow Institute of Physics and Technology*, Department of Control and Applied Mathematics, Bachelor's degree.
GPA 4.8

Special skills

Languages

Native Russian
Advanced English
Elementary Spanish

Other skills

Driving License Category B
Hobbies Sports activities