

Anastasia Lyupa

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Summary

Skilled and results-oriented Software Engineer with more than 7 years of experience working in a variety of environments with a breadth of programs and technologies. Seeking the position of C++ Software Engineer.

Experience

Feb 2013 – present **Samsung Research Russia**

2021 **Software Engineer**, *Platform Lab*,

Android runtime and compiler optimization, decreasing application launch time. Working with existing code, feature development, bug fixing, shell scripting, adding Google unit tests to project,

Tech stack: C++, Linux, AOSP.

2020 **Project Leader**, *Sensor Data Part*,

Development of a sensors simulation for robots. Communication with customers / stack holders, planning, tasks distribution, preparation of project documentation, feature development, bug fixing,

Tech stack: C++, Unreal Engine 4.

2019 **Software Engineer**, *Sensor Data Part*,

Development of a simulator for Robot Vacuum Cleaner. Design and implementation of map editor mode for the simulator,

Tech stack: C++, Unreal Engine 4.

2018 **Software Engineer**, *AI Tools Lab*,

Development of a tool for combining several repositories into firmware. Working with existing code, feature development, bug fixing, setting up and maintaining CI,

Tech stack: Python.

<https://github.com/Samsung/combirepo>

2017 **Software Engineer**, *SW Tools Lab*,

Investigating issues in Tizen OS with ASan, SVACE, Valgrind. Static code analysis, memory profiling, fixing issues in system libraries, preparation of reports and documentation,

Tech stack: C/C++, Linux.

<https://www.tizen.org/>

2016 **Maternity leave**.

2013 – 2015 **Junior Software Engineer**, *Tizen Platform Lab*,

Low level profiling tool development for Tizen OS which became a part of Tizen Studio. Working with Tizen Studio, feature development, bug fixing and optimization, testing on devices and emulators,

Tech stack: C, Linux.

<https://www.tizen.org/>

Skills

Programming Languages	C, C++, Python
IDE/Build systems	Visual Studio, Eclipse, CMake, Soong
CI	Git, Gerrit, Jenkins, Docker
Documentation	Latex, Markdown

Education

- 2014 – 2019 **Computer Science and Computer Engineering**, *Moscow Institute of Physics and Technology*, Department of Control and Applied Mathematics, Postgraduate education, Researcher.
- 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

Research

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
Project	https://github.com/alyupa/multiphase-flow-modeling

Languages

Russian	Native
English	Upper-Intermediate