

Andrii Kalinichenko

kalinichenkoandrew@gmail.com

+38 (097) 10 26 209

Kyiv, Ukraine, GMT+2

Languages: English, Russian, Ukrainian

Profiles: [Codeforces](#) | [TopCoder](#) | [LinkedIn](#)

Summary

Detail oriented and self-motivated Software Engineer with proven record of success during Computer Science studies and Programming Competitions with knowledge of Agile Methodologies and Software Design Conceptions. Has experience in number of small sized algorithmically hard projects with usage of C++ and full stack of Java including Android applications.

Education

from September 2012 to now	BSc in Software Engineering	<u>Taras Shevchenko National University of Kyiv, Faculty of Cybernetics</u>
(Expected graduation date is June 2016,	GPA – 4.95)	

Skills

- Languages: **C++: STL, OpenCV; Java: Spring, Hibernate, JSP, JDBC, Android;** Go(basic knowledge).
- Basic working experience: HTML, JS, Web-Sockets, XML, JSON, SQL (MySQL), WebGL.
- Algorithms and data structures, complexity theory.
- Strong analytical skills for problem solving, steady research competency.
- OOP conceptions and Design Patterns usage.
- Knowledge of Agile, Test Driven Development, Pair Development Methodologies.

Competitions

- 2014: Winter Programming School (2nd place in Junior league).
- 2014: ACM Southeastern European Regional Programming Contest (SEERC) (1/4, Ukraine) – 20th Place.
- Participating in Online Contests: [codeforces.com](#), [topcoder.com](#).

Projects

- **Developed additional features for open-source project Notepad++.**
Added feature which allows to continue working with file from the position it was closed.
| C++, VS | 1 month x 1 engineer
- **Gesture recognition application.**
Android Java Application using Dynamic Time Wrapping algorithm and accelerometer
| Java, IntelliJ | 3 weeks x 1 engineer
- **Sports Assistant Android Application.**
Android Java Application which contains exercises with images, instructions, descriptions and shows live exercise performance process. | Java, IntelliJ | 2 week x 1 engineer
- **Car plate recognition application.**
Android Java Application, which allows finding location of car plate on the picture made by phone's camera. Cascade classifier implementation in OpenCV used for object search.
| Java, IntelliJ, OpenCV | 1 week x 1 engineer.
- **Database module for Items Rent Web-System.**
Database layer interfaces and implementation based on DAO pattern. Hibernate used for database interaction. Spring used for dependency injection and transaction management.
| Java, IntelliJ, Spring, Hibernate | 4 weeks x 1 engineer
- **Bus Station Management Web-System.**
Database layer built with use of Hibernate framework and DAO pattern. Bitmask dynamic algorithm used for graph best route search. Main module built using Model-View-Controller architecture and Spring framework. | Java, Spring, Hibernate | 1.5 weeks x 1 engineer
- **Surface of Seabed Modeling Web-Application.**
Service for building and displaying in web-browser page 3D model of a seabed by given data of ultrasound scanning. For connection between server and client used Web-Sockets. For displaying 3D model of the seabed used WebGL. | Java, Web-Sockets, WebGL | 2 weeks x 1 engineer.

Hobbies: Competitive programming, walking and hiking.(whatever).