



# Albert Aleksieiev

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## Summary

Software Engineer with expertise in algorithm and data structures, with more than 3 years of experience in software development. Skilled in developing project architecture. Developed AR Android app from scratch with over 1 million downloads last year.

## Experience

### **SOFTWARE ENGINEER, INKHUNTER; NEW YORK, NEW YORK – 2016 - 2017**

InkHunter is a leading virtual tattoo application and one of the top Augmented Reality applications in existence today with over than 5,5 million downloads worldwide.

I developed augmented reality application for Android platform, optimized and developed computer vision algorithms, backend development and system administration.

Accomplishments:

- More than 1.2 million downloads on Play Market with average rating of 4.7, from 15,000 total ratings and 3500 ratings with reviews for Android app.
- Led development planning for the product.
- Achieved successful Alpha, Beta Testing and Launching Android app.
- Developing machine learning methods, such as clusterization of tattoos and tattoo searching.

### **FULL STACK DEVELOPER, FREELANCE.RU; KHARKIV, UKRAINE – 2014 - 2016**

Executed over 20+ projects, with 100% positive reviews from happy customers. Developed a wide range of projects, leading development aspects such as backend and frontend, mobile and desktop development, and distributed systems. Founded the development team and accomplished the completion of several projects.

## Education and Achievements

National University of Kharkiv, 2012 - 2016 – Computer Science department, Bachelor's degree.

Focused on C,C++, JAVA language, algorithms and data structures. Developed several top-rated university projects. Wrote bachelor research paper with subject 'Forecasting Model of the Financial Market'. I analyzed Machine Learning approaches in my paper.

Participated in the final ACM ICPC in the Ukrainian region and other Programming contests. Won prizes in University Programming contests. Won the second place in Kharkiv University Hackathon, and won first place in All-Ukrainian Hackathon with Augmented reality applications.

## Skills

- Languages: C++{98,11,14}, Java, Python, JavaScript.
- Technologies: Android, CMake, TensorFlow, Node.js {Express.js}, React.js, React Native, MySQL, HTML, CSS, Git.
- Cloud: Amazon Web Services, Azure.
- Data Structures and Algorithms.

## Latest personal projects

- Zpy - command line shell with scripts languages like python, js or bash script. Easy interaction between languages. Available on github (<https://albertaleksieiev.github.io/zpy/>). Developed on python.
- FUSE based file system for tracking changes. Mounts in any directory starting from the root, and allows control over versions of changes. Developed on C++{14} with Boost C++ libraries for Unix-like operating systems.