

# Aleksandr Andrukhov

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## WORK EXPERIENCE

- **KALABI** – Backend developer Dec 2022 – Apr 2023  
Moscow, Russia  
Development the API service in python. Flask, Flask-restplus, sqlalchemy, pytest, Redis, Postgresql, docker-compose technologies were used. Vue + typescript were also used for frontend. I was adding and expanding existing functionality, writing unit tests, and integrating with third-party services. Periodically worked with Docker-Compose and the frontend part of the project.
- **Infotecs Internet Trust** – Backend developer Dec 2021 – Jul 2022  
Moscow, Russia  
Support for Legacy on Django and TypeScript and FastAPI a little bit, development of new functionality, also Pytest, Docker, Redis, RabbitMQ were used.
- **FabLite** – Backend developer Nov 2020 – Oct 2021  
Novosibirsk, Russia  
Writing a REST API using FastAPI, developing sites using Flask, Django, writing documentation, working with Redis.
- **2-up** – Backend developer Apr 2019 – Aug 2019  
Rostov-On-Don, Russia  
PHP backend development - REST API writing, website parsing. Knowledge in Linux and SQL was applied.

## EDUCATION

- **Harbin Institute of Technology**, Computer Science – *M.Sc. (in English)* Sep 2019 – Jul 2022  
Harbin, China  
**GPA:** 88.4/100.0
- **Don State Technical University**, Software Engineering – *B.Sc.* Sep 2015 – Jul 2019  
Rostov-On-Don, Russia  
**GPA:** 4.42/5.0, **Final State Examination:** 5.0/5.0, **Graduation Thesis:** 4.0/5.0  
**Relevant Coursework:** Databases, Web-technologies, Object-oriented programming, Programming of mobile devices.

## RESEARCH

- **Recognition and measurement of vehicle speed in complex weather conditions** 2022  
A system based on deep learning to recognize vehicles on the roads in bad weather conditions. The system also calculates the transport speed using a special positioning algorithm.
- **Object recognition in a video stream** 2019  
The purpose of this paper is to simplify viewing of the traffic of objects in a video stream by identifying them using an object recognition application; presents algorithms for the implementation of the application. The source code for the modules is written in Python using the accompanying libraries.

## PROGRAMMING SKILLS

Linux, Python3, Flask, FastAPI, Django, Vue3, SQLAlchemy, SOLID, SQL, Git, RabbitMQ, Redis

## HONOR

**2019** – Winner of Chinese Government Scholarship for Master Degree Program (3000 RMB/month stipend; exempt from registration fee, tuition fee, accommodation fee)

## LANGUAGES

**Russian** – Mother language  
**English** – B1

- **Attack on information with the technologies of social engineering** – *International scientific and technical conference «System analysis, control and information processing» (SAC&IP)* 2018  
This article explores the technology of social engineering as an attack on information, as well as its main methods and highlights the ways in which they are used.
- **Cluster analysis and basic algorithms of data clustering** – *International scientific and technical conference «System analysis, control and information processing» (SAC&IP), 2017* 2017  
The analysis and sorting technology as clusterization are investigated, its main algorithms were analyzed. The main problems examined: how great is the effectiveness of the current clustering algorithms and theirs trends in the development.

## SUMMARY

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I am doing backend development in Python. The total experience in this programming language is more than 5 years. I try to stick to SOLID and KISS. In between jobs, I always do some pet project of my own and work freelance. I will be happy to learn something new (programming language, framework, technology, etc.). I am also interested in the field of data engineering.

I welcome relocation to another country or work remotely. The current English is at the B1 level and now I am actively working on improving it.