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)*
  Harbin, China **Sep 2019 – Jul 2022**

  GPA: 88.4/100.0
- **Don State Technical University,** Software Engineering – *B.Sc.*
  Rostov-On-Don, Russia **Sep 2015 – Jul 2019**

  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

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

for the modules is written in Python using the accompanying libraries.

- **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

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.