

# MAXIM KUZNETSOV

@ kuznetsovmm@mail.ru  
github.com/MaxKuznets0v

+79195045918, +995555760388

Georgia, Tbilisi

linkedin.com/in/MaxKuznets0v

## WORK EXPERIENCE

Software engineer (internship)

**Dell Technologies**

February 2022 – August 2022

- Development of internal tools for testing high-performance storages. Participation in the analysis of existing software, as well as its subsequent refactoring and design of new elements. **Python** as the main development tool.
- Participation in the design and normalization of the database for the results of storage testing, as well as subsequent implementation. Using the **SQLite** engine and the **sqlalchemy** library. Implementation of automatic assembly of test results into the resulting database and its sending for analysis.
- Development and implementation of system modules, such as a module for logging using the **logging** library, an email automation module, etc.
- Bugfix and code review.

## PROJECTS

Bachelor thesis. Development of a legal assistance service based on machine learning methods

2022

- Design, implementation and analysis of a web application aimed at obtaining basic legal assistance in text format based on a user request in natural language. The backend is implemented using **Python** and its frameworks **flask**, **sqlalchemy**, **haystack**, as well as neural network models based on **BERT** transformers. **CSS**, **javascript** and framework **express** were used for frontend development.
- Participation in the CPS'22 conference on this topic, as well as publication in a scientific journal.

Term paper. Interactive Image Segmentation

2021

- Development of application transforming given image into background/object parts using Dinic algorithm for solving maxflow problem based on given by user pixels. Used **Python** and **networkx** library.

University practice. IT-events recommendation service

2020

- Backend development of microservice architecture with **Python** using **Nameko** framework. Implementation of server REST API, authorization system and event storage. Used **Redis** and **MongoDB**. **Docker** was used for containerization and deployment of microservices in **Microsoft Azure**.

## EDUCATION

Master in Programming and Internet Technologies

**ITMO University**

2022 – now

Saint Petersburg, Russia

Bachelor in Fundamental Informatics and Information technologies

**Saint Peterburg State University**

2018 – 2022

Saint Peterburg, Russia

- Average score – 4.81

Secondary education

**Gymnasium named after Alexander Green, Kirov**

2007 – 2018

Kirov, Russia

- Certificate with distinction

## ADDITIONAL COURSES

Java Developer

**Jetbrains Academy**

2022

Online course

An Introduction to Data Science

**Coursera**

2021

Online course

The Art of Modern C++ Development

**Coursera**

2019

Online course

- Got final certificate for white belt (Passed to the brown belt)

## INTERESTS

**Technical**

- Software Engineering. Practical experience in developing web applications in Python (4 years of language learning and application in educational projects and practice). As well as experience in commercial development in a large company for about 7 months. Development of applications in C++ (about 3 years of academic study of the features of the language).
- Machine learning. Academic study, as well as the use of knowledge and skills in the development of applied applications in research works and bachelor thesis.

Term paper. Hostel reservation system

📅 2020

- Implementation of web-service using **Flask** framework. **Amazon RDS** was used for data storage, queries with pure **SQL**.

Telegram bot – planner

📅 2020

- Telegram bot, developed with **C#**. User sets time and event importance on his device. Bot sends notifications and keeps statistics.

Face detection in an image

📅 2019

- Neural network with **SSD** architecture for detecting and highlighting people's faces in the image. Developed using the **Python** language and the **PyTorch** framework.

SKILLS

C, C++	●●●●●●
Python	●●●●●●
Java	●●●●●●
Flask, Django	●●●●●●
sqlalchemy, PyTorch, numpy, pandas	●●●●●●
C#	●●●●●●
SQL(PostgreSQL, MySQL, SQLite, ORM)	●●●●●●
Docker	●●●●●●
Cloud computing (AWS, Azure)	●●●●●●
VCS (git, GitHub)	●●●●●●
Bash, Linux	●●●●●●

Hobbies

- Movies and books.
- Travelling.
- Cycling and volleyball.

LANGUAGES

Russian	●●●●●●
English	●●●●●●
German	●●●●●●