

Marsel Akhmetov

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HARD SKILLS

Languages: Python, Java, C/C++

Web Development: JavaScript, HTML/CSS, Servlets, jQuery, Spring, Vue.js

Technology: Git, LaTeX, Docker

Data Science: Pandas, Sklearn, SQL, Matplotlib

SOFT SKILLS

Time management: Organization, Prioritizing, Planning.

Communication: Verbal communication, Presentation, Constructive feedback, Active listening.

Problem-solving: Analysis, Logical reasoning, Brainstorming, Decision making.

Teamwork: Conflict management and resolution, Collaboration, Coordination.

PROJECTS

GENDER RECOGNITION BY VOICE

PYTHON, SKLEARN, NUMPY, PANDAS, LIBROSA

I trained the model in google colab, because the computing power of servers is much higher than on a stationary machine.

To increase the speed of working with data, I uploaded them to google drive.

The main parameter for training the neural network was the average MFCC value.

USB MONITORING SYSTEM

PYTHON, PYTHON-DAEMON, LIBUSB1, INOTIFY

A daemon that, when started, will collect information about connected USB devices, and then, in the background, monitor the connection of new devices and disconnection of existing devices

OPTIMIZATION TECHNIQUES LAB

JAVA, PYTHON, MATPLOTLIB

Teamwork of three people. This work consisted of four labs:

1. Implementation of methods for one-dimensional minimization of a function
2. Implementation of two-dimensional function minimization methods
3. Implementation of a direct method for solving SLAEs based on the LU-expansion
4. Implementation of methods for unconstrained minimization of functions of several variables.

C/C++ LAB

C/C++

This work consisted of four labs:

1. Implementation of the translation of the encoding from the automatically determined current encoding to the user-specified encoding.
2. Implementation of quicksort without stack overflow.
3. Implementation of the SLAE solution by the Gaussian method.
4. Implementation of long arithmetic with support for multiple functions and operator overloading.

EDUCATION

Applied Mathematics and Computer Science

Saint-Petersburg | September 2019 - Present

ITMO UNIVERSITY

COURSES

Tasking a Software Development

Saint-Petersburg | 2022 April

MAIL.RU

Java Advanced

Saint-Petersburg | 2022 January - Present

ITMO UNIVERSITY

Algorithms and Data Structures

Saint-Petersburg | 2019 September - 2021 May

ITMO UNIVERSITY

Mathematical Statistics and Probability Theory

Saint-Petersburg | 2021 January - 2021 May

ITMO UNIVERSITY

Web Development

Saint-Petersburg | 2020 September - 2021 December

ITMO UNIVERSITY