

РОССИЙСКИЙ УНИВЕРСИТЕТ ДРУЖБЫ НАРОДОВ

Факультет физико-математических и естественных наук

Кафедра прикладной информатики и теории вероятностей

ОТЧЕТ

ПО ЛАБОРАТОРНОЙ РАБОТЕ № 2

дисциплина: *Архитектура компьютера*

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Группа: НКАбд - 4

МОСКВА

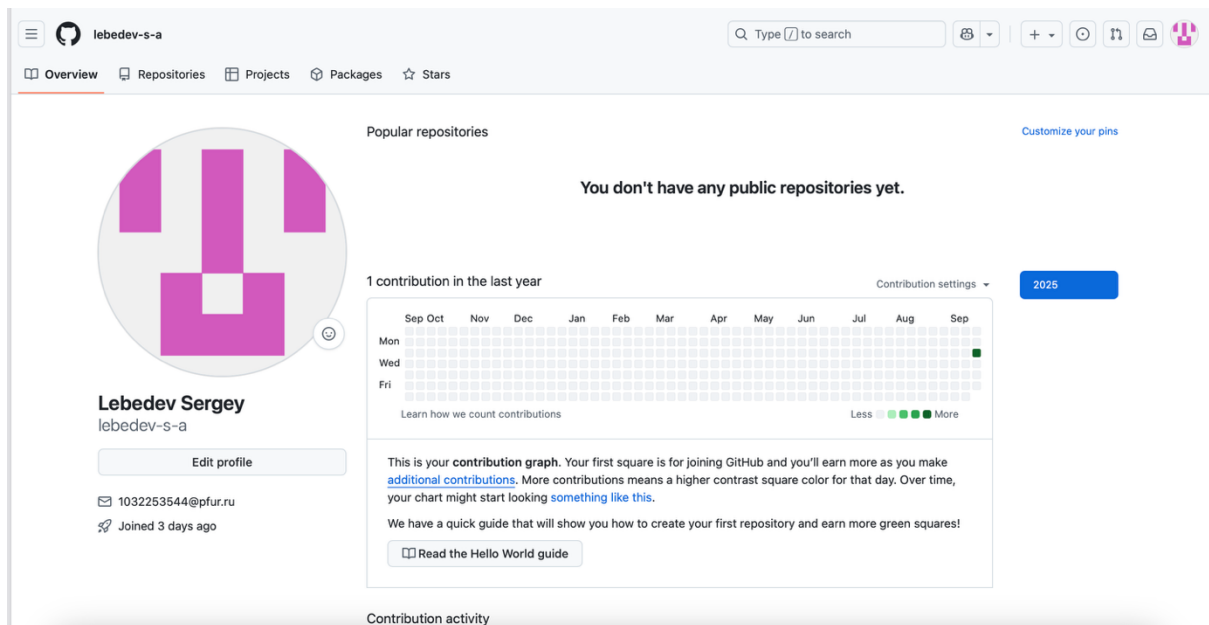
2025 г.

Цель работы

Целью работы является изучение идеологии и применения средств контроля версий, приобретение практических навыков по работе с системой контроля версий git.

Работа

Создал учетную запись



Базово настроил Git

```
sa_lebedev:/$ git config --global user.name "lebedev-s-a"
sa_lebedev:/$ git config --global user.email 1032253544@pfur.ru
sa_lebedev:/$ git config --global core.quotepath false
sa_lebedev:/$ git config --global init.defaultBranch master
sa_lebedev:/$ git config --global core.autocrlf input
sa_lebedev:/$ git config --global core.safecrlf warn
sa_lebedev:/$ git config --global core.editor vim
```

Создал SSH – ключ

```
sa_lebedev:/$ ssh-keygen -C "lebedev-s-a 1032253544@pfur.ru"
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
Created directory '/root/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa
Your public key has been saved in /root/.ssh/id_rsa.pub
```


Отображение на GitHub

SSH keys

[New SSH key](#)

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Authentication keys



My key
SHA256:1IDAmxBxC/K7q3gBY2APCwqyfi9bPWx4eEDZn331YJc
Added on Sep 26, 2025
Never used — Read/write

Delete

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

Создал необходимую структуру

```
[sa_lebedev:~/$ mkdir -p ~/work/study/2025-2026/"Computer Architecture"/arch-pc/labs/lab01 ]
[sa_lebedev:~/$ mkdir -p ~/work/study/2025-2026/"Computer Architecture"/arch-pc/labs/lab02 ]
[sa_lebedev:~/$ mkdir -p ~/work/study/2025-2026/"Computer Architecture"/arch-pc/labs/lab03 ]
```

Скопировал репозиторий курса с GitHub

```
sa_lebedev:~/work/study/2025-2026/Computer Architecture$ git clone --recursive git@github.com:lebedev-s-a/-study_2025-2026_arh-
-pc.git
Cloning into '-study_2025-2026_arh-pc'...
The authenticity of host 'github.com (140.82.121.3)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdKr4UvCOqU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
remote: Enumerating objects: 38, done.
remote: Counting objects: 100% (38/38), done.
remote: Compressing objects: 100% (36/36), done.
remote: Total 38 (delta 1), reused 26 (delta 1), pack-reused 0 (from 0)
Receiving objects: 100% (38/38), 23.45 KiB | 175.00 KiB/s, done.
Resolving deltas: 100% (1/1), done.
Submodule 'template/presentation' (https://github.com/yamadharma/academic-presentation-markdown-template.git) registered for p
ath 'template/presentation'
Submodule 'template/report' (https://github.com/yamadharma/academic-laboratory-report-template.git) registered for path 'templ
ate/report'
Cloning into '/root/work/study/2025-2026/Computer Architecture/-study_2025-2026_arh-pc/template/presentation'...
```

Создал новый файл, закоммитил изменения и отправил в git

```
[sa_lebedev:~/$ cd ~/work/study/2025-2026/"Computer Architecture"/-study_2025-2026_arh-pc ]
[sa_lebedev:~/work/study/2025-2026/Computer Architecture/-study_2025-2026_arh-pc$ echo arch-pc > COURSE ]
[sa_lebedev:~/work/study/2025-2026/Computer Architecture/-study_2025-2026_arh-pc$ make prepare ]
[sa_lebedev:~/work/study/2025-2026/Computer Architecture/-study_2025-2026_arh-pc$ git add . ]
[sa_lebedev:~/work/study/2025-2026/Computer Architecture/-study_2025-2026_arh-pc$ git commit -am 'feat(main): make course struc
ture' ]
[master 65712dd] feat(main): make course structure
212 files changed, 8083 insertions(+), 216 deletions(-)
delete mode 100644 CHANGELOG.md
create mode 100644 labs/README.md

[sa_lebedev:~/work/study/2025-2026/Computer Architecture/-study_2025-2026_arh-pc$ git push ]
Enumerating objects: 67, done.
Counting objects: 100% (67/67), done.
Delta compression using up to 8 threads
Compressing objects: 100% (52/52), done.
Writing objects: 100% (64/64), 700.29 KiB | 2.75 MiB/s, done.
Total 64 (delta 22), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (22/22), completed with 1 local object.
To github.com:lebedev-s-a/-study_2025-2026_arh-pc.git
ba2a171..65712dd master -> master
[sa_lebedev:~/work/study/2025-2026/Computer Architecture/-study_2025-2026_arh-pc$ ]
```

Вывод:

В ходе работы я освоил базовые приёмы работы с Git: настройку пользователя, создание SSH-ключей, клонирование и загрузку изменений в удалённый репозиторий. Цель лабораторной работы достигнута. Я получил практические навыки использования системы контроля версий.