

Отчёт по первому этапу итогового проекта

Специальность: архитектура компьютеров

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1 Цель работы

Размещение на Github pages заготовки для персонального сайта.

2 Задание

1. Установить необходимое программное обеспечение.
2. Скачать шаблон темы сайта.
3. Разместить его на хостинге git.
4. Установить параметр для URLs сайта.
5. Разместить заготовку сайта на Github pages.

3 Выполнение лабораторной работы

1. Установим hugo (рис. 3.1).

```
foot
[ 1/18] libsass-0:3.6.6-2.fc41.x86_64 100% | 2.3 MiB/s | 701.7 KiB | 00m00s
[ 2/18] hugo-0:0.126.2-3.fc41.x86_64 100% | 7.9 MiB/s | 29.2 MiB | 00m04s
[ 3/18] golang-0:1.23.6-1.fc41.x86_64 100% | 6.9 MiB/s | 668.9 KiB | 00m00s
[ 4/18] gcc-0:14.2.1-7.fc41.x86_64 100% | 7.8 MiB/s | 36.1 MiB | 00m05s
[ 5/18] golang-src-0:1.23.6-1.fc41.noarch 100% | 10.3 MiB/s | 12.8 MiB | 00m01s
[ 6/18] go-filestore-0:3.6.0-5.fc41.x86_64 100% | 72.3 KiB/s | 9.0 KiB | 00m00s
[ 7/18] libxcrypt-devel-0:4.4.38-6.fc41.x86_64 100% | 361.5 KiB/s | 29.3 KiB | 00m00s
[ 8/18] glibc-devel-0:2.40-21.fc41.x86_64 100% | 4.5 MiB/s | 623.1 KiB | 00m00s
[ 9/18] subversion-0:1.14.5-1.fc41.x86_64 100% | 5.6 MiB/s | 1.0 MiB | 00m00s
[10/18] kernel-headers-0:6.13.3-200.fc41.x86_64 100% | 6.5 MiB/s | 1.6 MiB | 00m00s
[11/18] apr-util-0:1.6.3-21.fc41.x86_64 100% | 1.4 MiB/s | 97.4 KiB | 00m00s
[12/18] subversion-libs-0:1.14.5-1.fc41.x86_64 100% | 8.5 MiB/s | 1.4 MiB | 00m00s
[13/18] golang-bin-0:1.23.6-1.fc41.x86_64 100% | 4.5 MiB/s | 27.5 MiB | 00m06s
[14/18] apr-0:1.7.5-1.fc41.x86_64 100% | 168.9 KiB/s | 128.6 KiB | 00m01s
[15/18] libserf-0:1.3.10-7.fc41.x86_64 100% | 465.9 KiB/s | 56.8 KiB | 00m00s
[16/18] apr-util-libs-0:1.6.3-21.fc41.x86_64 100% | 105.8 KiB/s | 14.5 KiB | 00m00s
[17/18] mercurial-0:6.8.2-1.fc41.x86_64 100% | 9.8 MiB/s | 6.5 MiB | 00m01s
[18/18] apr-util-openssl-0:1.6.3-21.fc41.x86_64 100% | 92.6 KiB/s | 16.2 KiB | 00m00s
-----
[18/18] Total 100% | 15.9 MiB/s | 118.3 MiB | 00m07s
Выполнение транзакции
[ 1/20] Проверить файлы пакета 100% | 55.0 B/s | 18.0 B | 00m00s | 00m00s
[ 2/20] Подготовить транзакцию 100% | 31.0 B/s | 18.0 B | 00m01s | 00m00s
[ 3/20] Установка apr-0:1.7.5-1.fc41.x86_64 100% | 6.3 MiB/s | 304.1 KiB | 00m00s
[ 4/20] Установка apr-util-0:1.6.3-21.fc41.x86_64 100% | 10.3 MiB/s | 222.0 KiB | 00m00s
[ 5/20] Установка libserf-0:1.3.10-7.fc41.x86_64 100% | 6.9 MiB/s | 135.0 KiB | 00m00s
[ 6/20] Установка subversion-libs-0:1.14.5-1.fc41.x86_64 100% | 49.8 MiB/s | 4.4 MiB | 00m00s
[ 7/20] Установка kernel-headers-0:6.13.3-200.fc41.x86_64 100% | 5.7 MiB/s | 6.6 MiB | 00m01s
[ 8/20] Установка libxcrypt-devel-0:4.4.38-6.fc41.x86_64 100% | 827.0 KiB/s | 33.1 KiB | 00m00s
[ 9/20] Установка glibc-devel-0:2.40-21.fc41.x86_64 100% | 4.4 MiB/s | 2.3 MiB | 00m01s
[10/20] Установка gcc-0:14.2.1-7.fc41.x86_64 100% | 131.6 MiB/s | 103.4 MiB | 00m01s
[11/20] Установка go-filestore-0:3.6.0-5.fc41.x86_64 100% | 14.7 KiB/s | 392.0 B | 00m00s
[12/20] Установка golang-src-0:1.23.6-1.fc41.x86_64 100% | 10.5 MiB/s | 77.2 MiB | 00m07s
[13/20] Установка golang-0:1.23.6-1.fc41.x86_64 100% | 97.1 MiB/s | 8.9 MiB | 00m00s
[14/20] Установка golang-bin-0:1.23.6-1.fc41.x86_64 100% | 238.8 MiB/s | 113.9 MiB | 00m00s
[15/20] Установка libsass-0:3.6.6-2.fc41.x86_64 100% | 50.1 MiB/s | 2.2 MiB | 00m00s
[16/20] Установка hugo-0:0.126.2-3.fc41.x86_64 100% | 39.0 MiB/s | 83.3 MiB | 00m02s
[17/20] Установка subversion-0:1.14.5-1.fc41.x86_64 100% | 28.1 MiB/s | 5.1 MiB | 00m00s
[18/20] Установка apr-util-libs-0:1.6.3-21.fc41.x86_64 100% | 698.2 KiB/s | 16.1 KiB | 00m00s
[19/20] Установка apr-util-openssl-0:1.6.3-21.fc41.x86_64 100% | 1.0 MiB/s | 24.4 KiB | 00m00s
[20/20] Установка mercurial-0:6.8.2-1.fc41.x86_64 100% | 8.6 MiB/s | 31.1 MiB | 00m04s
Завершено!
gikurushin@gikurushin:~/work/Personal Site/Personal-Site$ hugo
[0] 0: bash* "gikurushin" 21.03.06-map-25
```

Рис. 3.1: Установка hugo

2. Проверяем корректность установки, узнав версию hugo (рис. 3.2).

```

foot
[ 4/18] gcc-0:14.2.1-7.fc41.x86_64 100% | 7.8 MiB/s | 36.1 MiB | 00m05s
[ 5/18] golang-src-0:1.23.6-1.fc41.noarch 100% | 10.3 MiB/s | 12.8 MiB | 00m01s
[ 6/18] go-filestore-0:3.6.0-5.fc41.x86_64 100% | 72.3 KiB/s | 9.0 KiB | 00m00s
[ 7/18] libxcrypt-devel-0:4.4.38-6.fc41.x86_64 100% | 361.5 KiB/s | 29.3 KiB | 00m00s
[ 8/18] glibc-devel-0:2.40-21.fc41.x86_64 100% | 4.5 MiB/s | 623.1 KiB | 00m00s
[ 9/18] subversion-0:1.14.5-1.fc41.x86_64 100% | 5.6 MiB/s | 1.0 MiB | 00m00s
[10/18] kernel-headers-0:6.13.3-200.fc41.x86_64 100% | 6.5 MiB/s | 1.6 MiB | 00m00s
[11/18] apr-util-0:1.6.3-21.fc41.x86_64 100% | 1.4 MiB/s | 97.4 KiB | 00m00s
[12/18] subversion-libs-0:1.14.5-1.fc41.x86_64 100% | 8.5 MiB/s | 1.4 MiB | 00m00s
[13/18] golang-bin-0:1.23.6-1.fc41.x86_64 100% | 4.5 MiB/s | 27.5 MiB | 00m06s
[14/18] apr-0:1.7.5-1.fc41.x86_64 100% | 168.9 KiB/s | 128.6 KiB | 00m01s
[15/18] libserf-0:1.3.10-7.fc41.x86_64 100% | 465.9 KiB/s | 56.8 KiB | 00m00s
[16/18] apr-util-lmdb-0:1.6.3-21.fc41.x86_64 100% | 105.8 KiB/s | 14.5 KiB | 00m00s
[17/18] mercurial-0:6.8.2-1.fc41.x86_64 100% | 9.8 MiB/s | 6.5 MiB | 00m01s
[18/18] apr-util-openssl-0:1.6.3-21.fc41.x86_64 100% | 92.6 KiB/s | 16.2 KiB | 00m00s
-----
[18/18] Total 100% | 15.9 MiB/s | 118.3 MiB | 00m07s
Выполнение транзакции
[ 1/20] Проверить файлы пакета 100% | 55.0 B/s | 18.0 B | 00m00s
[ 2/20] Подготовить транзакцию 100% | 31.0 B/s | 18.0 B | 00m01s
[ 3/20] Установка apr-0:1.7.5-1.fc41.x86_64 100% | 6.3 MiB/s | 304.1 KiB | 00m00s
[ 4/20] Установка apr-util-0:1.6.3-21.fc41.x86_64 100% | 10.3 MiB/s | 222.0 KiB | 00m00s
[ 5/20] Установка libserf-0:1.3.10-7.fc41.x86_64 100% | 6.9 MiB/s | 135.0 KiB | 00m00s
[ 6/20] Установка subversion-libs-0:1.14.5-1.fc41.x86_64 100% | 49.8 MiB/s | 4.4 MiB | 00m00s
[ 7/20] Установка kernel-headers-0:6.13.3-200.fc41.x86_64 100% | 5.7 MiB/s | 6.6 MiB | 00m01s
[ 8/20] Установка libxcrypt-devel-0:4.4.38-6.fc41.x86_64 100% | 827.0 KiB/s | 33.1 KiB | 00m00s
[ 9/20] Установка glibc-devel-0:2.40-21.fc41.x86_64 100% | 4.4 MiB/s | 2.3 MiB | 00m01s
[10/20] Установка gcc-0:14.2.1-7.fc41.x86_64 100% | 131.6 MiB/s | 103.4 MiB | 00m01s
[11/20] Установка go-filestore-0:3.6.0-5.fc41.x86_64 100% | 14.7 KiB/s | 392.0 B | 00m00s
[12/20] Установка golang-src-0:1.23.6-1.fc41.x86_64 100% | 10.5 MiB/s | 77.2 MiB | 00m07s
[13/20] Установка golang-0:1.23.6-1.fc41.x86_64 100% | 97.1 MiB/s | 8.9 MiB | 00m00s
[14/20] Установка golang-bin-0:1.23.6-1.fc41.x86_64 100% | 238.8 MiB/s | 113.9 MiB | 00m00s
[15/20] Установка libsass-0:3.6.6-2.fc41.x86_64 100% | 50.1 MiB/s | 2.2 MiB | 00m00s
[16/20] Установка hugo-0:0.126.2-3.fc41.x86_64 100% | 39.0 MiB/s | 83.3 MiB | 00m02s
[17/20] Установка subversion-0:1.14.5-1.fc41.x86_64 100% | 28.1 MiB/s | 5.1 MiB | 00m00s
[18/20] Установка apr-util-lmdb-0:1.6.3-21.fc41.x86_64 100% | 698.2 KiB/s | 16.1 KiB | 00m00s
[19/20] Установка apr-util-openssl-0:1.6.3-21.fc41.x86_64 100% | 1.0 MiB/s | 24.4 KiB | 00m00s
[20/20] Установка mercurial-0:6.8.2-1.fc41.x86_64 100% | 8.6 MiB/s | 31.1 MiB | 00m04s
Завершено!
grkurushin@grkurushin:~/work/Personal Site/Personal-Site$ hugo version
hugo v0.126.2+extended linux/amd64 BuildDate=2024-07-18T00:00:00+00:00 VendorInfo=Fedora:0.126.2-3.fc41
grkurushin@grkurushin:~/work/Personal Site/Personal-Site$
[0] 0: bash* "grkurushin" 21:03 06-мар-25

```

Рис. 3.2: Версия hugo

3. Клонировать репозиторий с темой theme-academic-cv в новый репозиторий grkurushin.github.io (рис. 3.3).

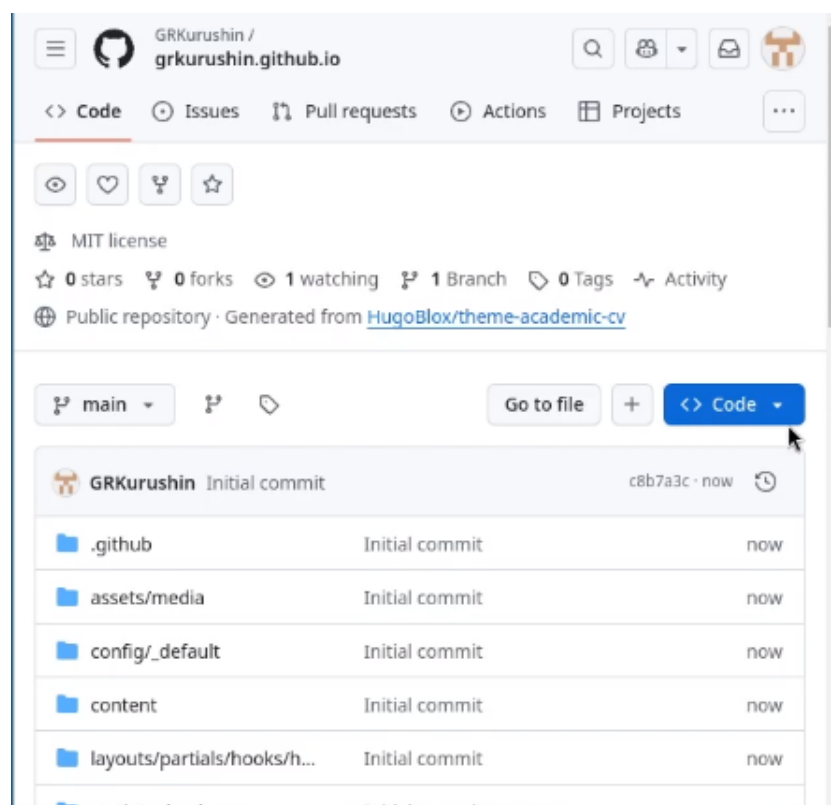


Рис. 3.3: Новый репозиторий

- Заходим в настройки репозитория, переходим во вкладку Pages и открываем наш сайт (рис. 3.4).

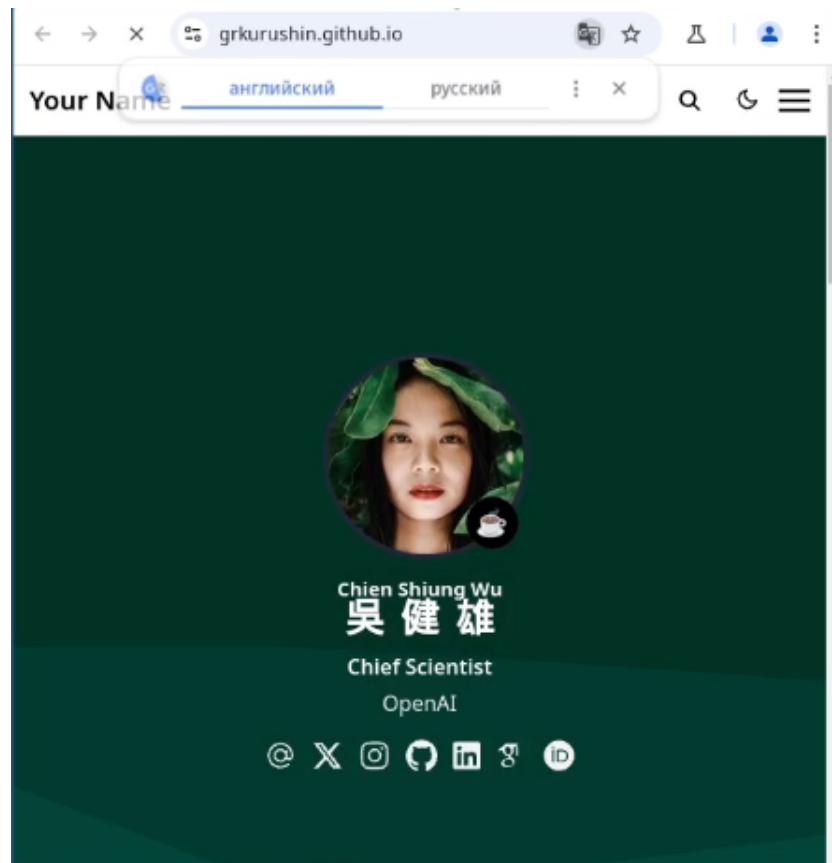


Рис. 3.4: Сайт

5. Клонировем свой репозиторий на компьютер (рис. 3.5).

```

foot
with --templateMetrics
-t, --theme strings           themes to use (located in /themes/THEMENAME/)
  --tlsAuto                   generate and use locally-trusted certificates.
  --tlsCertFile string        path to TLS certificate file
  --tlsKeyFile string         path to TLS key file
  --trace file                write trace to file (not useful in general)
-w, --watch                   watch filesystem for changes and recreate as needed (default true)

Global Flags:
  --clock string              set the clock used by Hugo, e.g. --clock 2021-11-06T22:30:00.00+09:00
  --config string             config file (default is hugo.yaml|json|toml)
  --configDir string          config dir (default "config")
  --debug                     debug output
-d, --destination string      filesystem path to write files to
-e, --environment string      build environment
  --ignoreVendorPaths string  ignores any _vendor for module paths matching the given Glob pattern
  --logLevel string           log level (debug|info|warn|error)
  --quiet                     build in quiet mode
-M, --renderToMemory          render to memory (mostly useful when running the server)
-s, --source string           filesystem path to read files relative from
  --themesDir string          filesystem path to themes directory
-v, --verbose                 verbose output

Use "hugo server [command] --help" for more information about a command.

Error: command error: failed to load modules: module "github.com/HugoBlox/hugo-blox-builder/modules/blox-tailwind" not found in "/home/grkurushin/work/Personal-Site/themes/github.com/HugoBlox/hugo-blox-builder/modules/blox-tailwind"; either add it as a Hugo Module or store it in "/home/grkurushin/work/Personal-Site/themes".: module does not exist
grkurushin@grkurushin:~/work/Personal-Site$ cd ..
grkurushin@grkurushin:~/.local/share/Trash/files$ cd ~/work/
grkurushin@grkurushin:~/work$ git clone https://github.com/GRKURUSHIN/grkurushin.github.io.git
Клонирование в «grkurushin.github.io»...
remote: Enumerating objects: 98, done.
remote: Counting objects: 100% (98/98), done.
remote: Compressing objects: 100% (84/84), done.
Получение объектов: 39% (39/98), 1.21 МиБ | 1.18 МиБ/с
[0] 0:git* "grkurushin" 21:24 06-мар-25

```

Рис. 3.5: Клонирование репозитория

6. Запускаем локальный сервер hugo, чтобы вносить изменения в live-режиме (рис. 3.6).

```
foot
1-11-06T22:30:00.00+09:00
  --config string          config file (default is hugo.yaml|json|toml)
  --configDir string       config dir (default "config")
  --debug                 debug output
  -d, --destination string filesystem path to write files to
  -e, --environment string build environment
  --ignoreVendorPaths string ignores any _vendor for module paths matchin
g the given Glob pattern
  --logLevel string        log level (debug|info|warn|error)
  --quiet                 build in quiet mode
  -M, --renderToMemory     render to memory (mostly useful when running
the server)
  -s, --source string      filesystem path to read files relative from
  --themesDir string       filesystem path to themes directory
  -v, --verbose            verbose output

Use "hugo server [command] --help" for more information about a command.

Error: command error: failed to load modules: module "github.com/HugoBlox/hugo-
blox-builder/modules/blox-tailwind" not found in "/home/grkurushin/work/Persona
l-Site/themes/github.com/HugoBlox/hugo-blox-builder/modules/blox-tailwind"; eit
her add it as a Hugo Module or store it in "/home/grkurushin/work/Personal-Site
/themes".: module does not exist
grkurushin@grkurushin:~/work/Personal-Site$ cd ..
grkurushin@grkurushin:~/local/share/Trash/files$ cd ~/work/
grkurushin@grkurushin:~/work$ git clone https://github.com/GRKURUSHIN/grkurushi
n.github.io.git
Клонирование в «grkurushin.github.io»...
remote: Enumerating objects: 98, done.
remote: Counting objects: 100% (98/98), done.
remote: Compressing objects: 100% (84/84), done.
remote: Total 98 (delta 5), reused 75 (delta 1), pack-reused 0 (from 0)
Получение объектов: 100% (98/98), 4.12 МиБ | 1.83 МиБ/с, готово.
Определение изменений: 100% (5/5), готово.
grkurushin@grkurushin:~/work$ hugo
Total in 1 ms
Error: Unable to locate config file or config directory. Perhaps you need to cr
eate a new site.
Run `hugo help new` for details.
grkurushin@grkurushin:~/work$ cd grkurushin.github.io/
grkurushin@grkurushin:~/work/grkurushin.github.io$ hugo
hugo: downloading modules ...
[0] 0:hugo* "grkurushin" 21:26 06-мар-25
```

Рис. 3.6: Запуск локального сервера

7. Пушим изменения в github (рис. 3.7).

```

foot
5_27608_c733630b2009dfd4cf4fb01d5bc1eca5.webp
create mode 100644 resources/_gen/images/project/scikit/featured_hudafaa70231b9eee3e9c6457882ec7a1
5_27608_d842446daef106511b7b3c84017cf29.webp
create mode 100644 resources/_gen/images/publication/conference-paper/featured_hu3d03a01dcc18bc5be
0e67db3d8d209a6_312700_655x655_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/publication/conference-paper/featured_hu3d03a01dcc18bc5be
0e67db3d8d209a6_312700_6be8e19b87b6d261ead1cd399d1885b8.webp
create mode 100644 resources/_gen/images/publication/conference-paper/featured_hu3d03a01dcc18bc5be
0e67db3d8d209a6_312700_960x540_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/publication/conference-paper/featured_hu3d03a01dcc18bc5be
0e67db3d8d209a6_312700_ca381a1b03d3ea8e8c27e93258fe5575.webp
create mode 100644 resources/_gen/images/publication/journal-article/featured_hu3d03a01dcc18bc5be
e67db3d8d209a6_214168_655x655_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/publication/journal-article/featured_hu3d03a01dcc18bc5be
e67db3d8d209a6_214168_8d64d7aea654116b71cd89217130ee92.webp
create mode 100644 resources/_gen/images/publication/preprint/featured_hu559a5add5185b02575aa83335
02ab2cc_220813_3f5c72a07d2c1c0dd0ac0ab4ce7ea489.webp
create mode 100644 resources/_gen/images/publication/preprint/featured_hu559a5add5185b02575aa83335
02ab2cc_220813_51a9e1e55db380a702098169ae11a3bc.webp
create mode 100644 resources/_gen/images/publication/preprint/featured_hu559a5add5185b02575aa83335
02ab2cc_220813_655x655_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/publication/preprint/featured_hu559a5add5185b02575aa83335
02ab2cc_220813_960x540_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/teaching/js/featured_hu02aa61ae1d9de35cbe238d2676170cb9_1
73745_64c2ef085162ca523b275147f8d451dc.webp
create mode 100644 resources/_gen/images/teaching/js/featured_hu02aa61ae1d9de35cbe238d2676170cb9_1
73745_655x655_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/teaching/js/featured_hu02aa61ae1d9de35cbe238d2676170cb9_1
73745_960x540_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/teaching/js/featured_hu02aa61ae1d9de35cbe238d2676170cb9_1
73745_f6b44c6f8d5dcf1d4fefal77cald0b31.webp
create mode 100644 resources/_gen/images/teaching/python/featured_hu02aa61ae1d9de35cbe238d2676170c
b9_173745_64c2ef085162ca523b275147f8d451dc.webp
create mode 100644 resources/_gen/images/teaching/python/featured_hu02aa61ae1d9de35cbe238d2676170c
b9_173745_655x655_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/teaching/python/featured_hu02aa61ae1d9de35cbe238d2676170c
b9_173745_960x540_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/teaching/python/featured_hu02aa61ae1d9de35cbe238d2676170c
b9_173745_f6b44c6f8d5dcf1d4fefal77cald0b31.webp
grkurusshin@grkurusshin:~/work/grkurusshin.github.io$ git push
Перечисление объектов: 380, готово.
Подсчет объектов: 100% (380/380), готово.
При сжатии изменений используется до 6 потоков
Сжатие объектов: 100% (309/309), готово.
Запись объектов: 100% (367/367), 7.66 МБ | 1.51 МБ/с, готово.
Total 367 (delta 90), reused 22 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (90/90), completed with 6 local objects.
To https://github.com/GRKurusshin/grkurusshin.github.io.git
c8b7a3c..a7e19e2 main -> main
grkurusshin@grkurusshin:~/work/grkurusshin.github.io$
[0] 0: bash*

```

Рис. 3.7: Пуш изменений

4 Выводы

Разместил на Github Pages заготовки для персонального сайта.

Список литературы