Реализация индивидуального проекта. Часть 6

Операционные системы

Перегудов А.В.

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Российский университет дружбы народов, Москва, Россия

Информация

Докладчик

- Перегудов Александр Вадимович
- Студент группы НКАбд-04-23
- Российский университет дружбы народов
- [1132239659@pfur.ru]
- https://github.com/magister6239/project

Вводная часть

Актуальность

• Создание сайтов является полезным навыком в современном мире.

Объект и предмет исследования

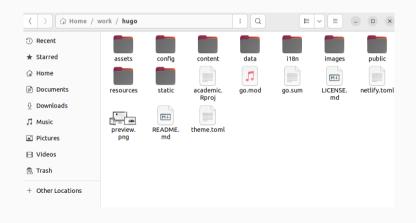
- HUGO
- Устройство многоязычных сайтов

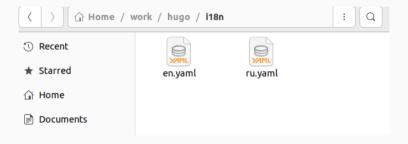
Цели и задачи

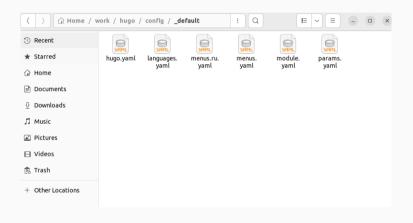
- Сделать поддержку английского и русского языков.
- Сделать пост по прошедшей неделе.
- Добавить пост по тему "Программная архитектура" на двух языках.

Материалы и методы

- Процессор pandoc для входного формата Markdown
- Результирующие форматы
 - pdf
 - html
- Автоматизация процесса создания: Makefile

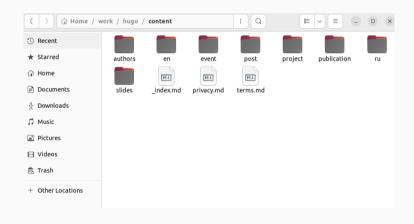


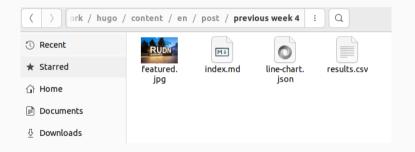




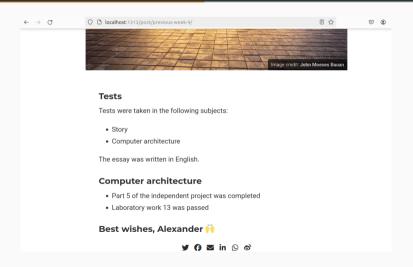
```
menus.ru.vaml
 Open ~ | F
                                                                                                Save
                                                   ~/work/hugo/config/_default
1 # Navigation Links
     To link a homepage widget, specify the URL as a hash `#` followed by the filename of the
        desired widget in your `content/home/` folder.
      The weight parameter defines the order that the links will appear in.
6 main:
    - name: Главная
      url: '#about'
      weight: 10
   - паме: Посты
     url: '#posts'
11
      wetaht: 20
13
   - паме: Проекты
     url: '#projects'
15
      weight: 30
   - name: Temp
     url: '#talks'
17
18
      weight: 40
   - name: Публикации
19
     url: '#featured'
21
     weight: 50
   - паме: Контакты
     url: '#contact'
24
      weight: 60
26 # Link to a PDF of your resume/CV from the menu.
27 # To enable, copy your resume/CV to `static/uploads/resume.pdf` and uncomment the lines below.
28 # - name: CV
       url: uploads/resume.pdf
29 #
30 #
       weight: 70
```

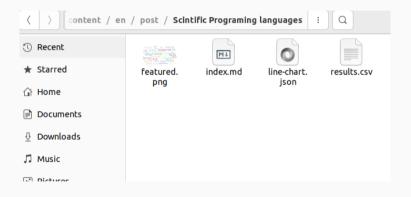
```
languages.yaml
  Open ~
                                                     ~/work/hugo/config/_default
 1 # Languages
 2 #
      Create a section for each of your site's languages.
 3 #
      Documentation: https://docs.hugoblox.com/reference/language/
 5 # Default language
 6 en:
    languageCode: en-us
    contentDir: content/en
 9 ru:
   languageCode: ru
11
    contentDir: content/ru
12
13 # Uncomment the lines below to configure your website in a second language.
14 #zh:
    languageCode: zh-Hans
15 #
     contentDir: content/zh
     title: Chinese website title...
17 #
18 #
     params:
       description: Site description in Chinese...
19 #
20 #
     menu:
21 #
       main:
22 #
          - name: 传
           url: '#about'
23 #
24 #
           weight: 1
```

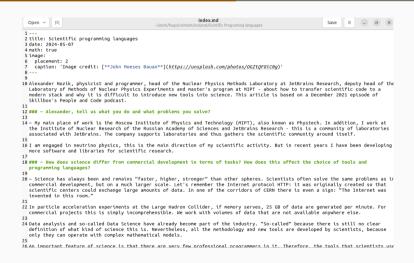




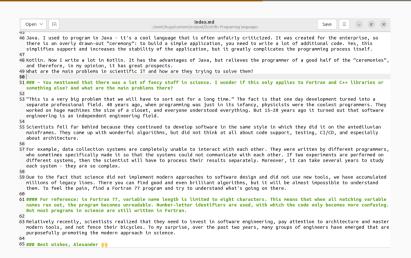
```
index.md
                                                              Save
                                                    \equiv
  Open ~
                 ~/work/hugo/content/en/post/p...
 1 ---
 2 title: Previous week blog (4)
 3 date: 2024-05-07
 4 math: true
 5 image:
 6 placement: 2
 7 caption: 'Image credit: [**John Moeses Bauan**](https://
  unsplash.com/photos/OGZtQF8iCOg)'
 8 ---
 9
10 ### Tests
11
12 Tests were taken in the following subjects:
13
14 - Story
15 - Computer architecture
16
17 The essay was written in English.
18
19 ### Computer architecture
20
21 - Part 5 of the independent project was completed
22 - Laboratory work 13 was passed
23
24 ### Best wishes, Alexander 🙌
```

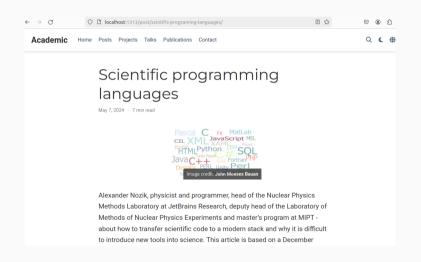


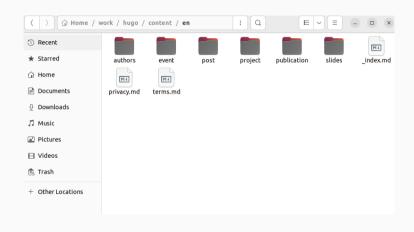




Open ∨ 🖪	~/work/hugo/content;	Index.md 'en/post/Scintific Programing lang	luages	Save			a x
definition of what kind of so only they can operate with co	ience this is. Nevertheless, a mplex mathematical models.	ll the methodology an	d new tools are developed	d by sct	entis	ts, bed	ause
26 An important feature of scien must not only be the most fle no one will be able to figure community is solving this pro	xible and fastest, but also si it out later. Actually, somet	mple. Otherwise, non-	programmer scientists wi	ll creat	e suci	a thi	ng that
precisely on the side of the five years, engineers and sci	rite computational code in C++ in Python it is very difficult users of the code - scientists entists have been looking for	to maintain a large . Therefore, such sys	code base, and here the tems are slowly falling	size of	ргоје	ts is	growing
29 30 ### — Do other sciences use t 31	he same combination of languag	es?					
32 - Yes, it's about the same ever relatively recently. Unlike psciences still use C, Fortran flexibility.	erywhere, but with a slight di hysicists who had to "switch" and C++ libraries, and write	to Python, they immed	lately began working in	nodern l	angua	jes. Bu	it most
33 34 In addition to Python, in var	ious fields of science they wr	ite or have tried to	write in other languages				
36 R. It is used in statistics. not only to receive data, but	It is a highly specialized lan also to create a web service						
37 38 Julia This is quite an intere Julia also has a drawback: it	sting language with many desig s set of tools is still unstab		you lack speed or flext	oility i	n Pytl	non. Ho	owever,
40 Julia придумали как альтернат только вы выходите за рамки п	иву Python и MATLAB. Последний привычных задач, то сразу ощуща			«нежива	я» сис	тема.	Как
	rnative to Python and MATLAB. usual tasks, you immediately			tary, "n	on-liv	/ing" s	system.
libraries from Java, JavaScri	at the same time is suitable						
45 46 Java. I used to program in Ja	va - it's a cool language that	is often unfairly cr	iticized. It was created	for the	enter	nrise	SO.







```
Index.md
 Open V F
1 ---
2 # Leave the homepage title empty to use the site title
3 title: "
4 date: 2022-10-24
5 type: landing
7 sections:
8 - block: hero
      demo: true # Only display this section in the Hugo Blox Builder demo site
11
        title: Hugo Academic Theme
12
        image:
13
          filename: hero-academic.png
14
15
          label: '**Get Started**'
16
          url: https://hugoblox.com/templates/
17
        cta alt:
10
          label: Ask a question
19
          url: https://discord.gg/z8wNYzb
20
        cta note:
21
          label: >-
            <div style="text-shadow: none:"><a class="github-button" href="https://github.com/HugoRlox/hugo-blox-builder" data-</pre>
  icon="octicon-star" data-size="large" data-show-count="true" aria-label="star">Star Hugo Blox Builder</a></div><div>style="text-
  shadow: none; "><a class="github-button" href="https://github.com/HugoBlox/theme-academic-cv" data-icon="octicon-star" data-
  size="large" data-show-count="true" aria-label="Star">Star the Academic template</a></div>
24
          **Generated by Hugo Blox Builder - the FREE. Hugo-based open source website builder trusted by 500.000+ sites.**
25
26
          **Fasily build anything with blocks - no-code required!**
27
28
          From landing pages, second brains, and courses to academic resumés, conferences, and tech blogs.
29
30
          <!--Custom spacing-->
31
          <div class="mb-3"></div>
32
          <!--GitHub Button JS-->
33
          <script asvnc defer src="https://buttons.github.io/buttons.js"></script>
34
      design:
35
        background:
          gradient end: '#1976d2'
```

```
Open V
                                                               index.md
           <script async defer src="https://buttons.github.io/buttons.is"></script>
34
      design:
35
        background:
36
          gradient end: '#1976d2'
37
          gradient start: '#084ba0'
38
           text color light: true
     - block: about.blography
      id: about
41
      content:
        title: Biography
43
        # Choose a user profile to display (a folder name within `content/authors/`)
         username: admin
45
    - block: skills
      content:
47
        title: Skills
48
         text: "
49
        # Choose a user to display skills from (a folder name within 'content/authors/')
50
         username: admin
51
      destan:
52
         columns: '1'
     - block: experience
54
      content:
55
        title: Experience
56
         # Date format for experience
57
         # Refer to https://docs.bugoblex.com/customization/#date-format
58
         date format: Jan 2006
59
         # Experiences.
60
         # Add/remove as many 'experience' items below as you like.
         # Required fields are 'title', 'company', and 'date start',
61
62
         # Leave 'date end' empty if it's your current employer.
63
         # Begin multi-line descriptions with YAML's '12-' multi-line prefix.
64
         items:
65
          - title: Worker
66
            company: YingeComp
67
            company ucl: !!
68
            company logo: suitcase
69
            location: Russia
70
            date start: '2021-06-23'
71
            date_end: '2823-18-18'
```

```
_index.md
~/work/hugo/content/en
  Open V (+)
 68
             company logo: sultcase
 69
             location: Russia
 78
             date start: '2021-06-23'
 71
             date end: '2023-10-10'
 72
             description: 12-
 73
                 Responsibilities include:
 74
 75
                 * Analysina
 76
                 * Construct
 77
                 * Deploying
 78
                 * Translation
 79
           - title: Student
 80
             company: University RUDN
 81
             company url: "
 82
             company logo: school
 83
             location: Russia
 84
             date start: '2023-09-01'
 85
             date end: "
 86
             description: Programming and softarchitecture. Implementing several python projects.
 87
       destan:
 88
         columns: '2'
     - block: accomplishments
 90
       content:
 91
         # Note: '&shv:' is used to add a 'soft' hyphen in a long heading.
 92
         title: 'Accomplish&shv:ments'
 93
         subtitle:
 94
         # Date format: https://docs.hugoblox.com/customization/#date-format
 95
         date format: Jan 2006
         # Accomplishments.
 97
         # Add/remove as many 'item' blocks below as you like.
            'title', 'organization', and 'date start' are the required parameters.
 99
         # Leave other parameters empty if not required.
100
         # Begin multi-line descriptions with YAML's `|2-` multi-line prefix.
101
           - certificate_url: https://github.com/magister6239/NitsheGame
102
103
             date end: '2025-10-10'
104
             date start: '2021-01-25'
105
             description: ''
```

```
Open ~ | F
                                                               index.md
                                                                                                             Save ≡ □ Ø x
103
             date end: '2025-10-10'
104
             date start: '2021-01-25'
105
             description: "
106
             icon: python
107
             organization: Github
108
             organization url: https://github.com/magister6239
109
             title: Python project
110
             nels 12
           - certificate url: https://github.com/magister6239/study 2023-2024 os-intro
112
113
             date start: '2021-01-01'
114
             description: Whole work
115
             icon: siteman
116
             organization: Github
117
             organization url: https://github.com/magister6239
118
             title: Computer architecture
119
             url: "
120
121
       destan:
122
         columns: '2'
123
     - block: collection
124
       id: posts
125
       content:
126
         title: Recent Posts
127
         subtitle: "
128
         text: "
129
         # Choose how many pages you would like to display (0 = all pages)
130
         count: 5
131
         # Filter on criteria
132
         filters:
133
           folders:
134
            - post
           author: ""
135
           category: ""
136
           tag: ""
137
138
           exclude featured: false
139
           exclude future: false
140
           exclude past: false
141
           sublication type: ""
```

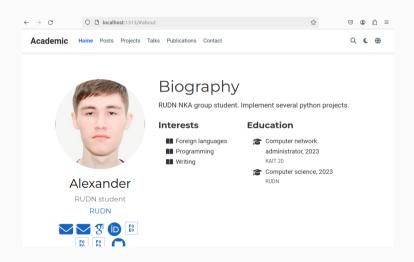
```
Index.md
                                                                                                           Save = a x
  Open V 1
208
         columns: '2'
209
         view: citation
210
     - block: collection
211
       id: talks
212
       content:
213
         title: Recent & Uncoming Talks
214
         filters:
215
           folders:
216
             - event
217
       destan:
         columns: '2'
218
219
         view: compact
     - block: tag cloud
221
       content:
222
         title: Popular Topics
223
       destan:
224
         columns: '2'
     - block: contact
226
       1d: contact
227
       content:
228
         title: Contact
229
         subtitle:
230
231
           Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam mi diam, venenatis ut magna et, vehicula efficitur enim.
232
         # Contact (add or remove contact options as necessary)
233
         email: test@example.org
234
         phone: 888 888 88 88
235
         appointment url: 'https://calendly.com'
236
         address:
237
           street: 450 Serra Mall
238
           city: Stanford
239
           region: CA
240
           postcode: '94305'
241
           country: United States
242
           country code: US
243
         directions: Enter Building 1 and take the stairs to Office 200 on Floor 2
244
         office hours:
245
           - 'Monday 10:00 to 13:00'
             'Hodoorday 80:88 to 18:88'
```

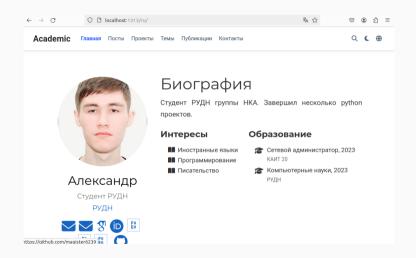
```
index.md
           F
  Open ~
238
239
           region: CA
248
           postcode: '94305'
241
           country: United States
242
           country code: US
243
          directions: Enter Building 1 and take the stairs to Office 200 on Floor 2
244
          office hours:
245
           - 'Monday 10:00 to 13:00'
246
           - 'Wednesday 89:88 to 18:88'
247
         # Choose a map provider in 'params.vaml' to show a map from these coordinates
248
         coordinates:
249
           latitude: '37,4275'
250
           longitude: '-122.1697'
251
         contact links:
252
           - icon: twitter
253
             tcon pack: fab
254
             name: DM Me
255
             link: 'https://twitter.com/Twitter'
256
           - tcon: skype
257
             tcon pack: fab
258
             name: Skype Me
259
             link: 'skype:echo123?call'
           - tcon: vtdeo
260
261
             tcon pack: fas
262
             name: Zoon Me
263
              link: 'https://zoom.com'
264
         # Automatically link email and phone or display as text?
265
          autolink: true
266
         # Email form provider
267
         form:
268
           provider: netlify
269
           formspree:
270
             144
271
           netlify:
272
             # Enable CAPTCHA challenge to reduce spam?
273
             captcha: false
274
       design:
275
         columns: '2'
276 ---
```

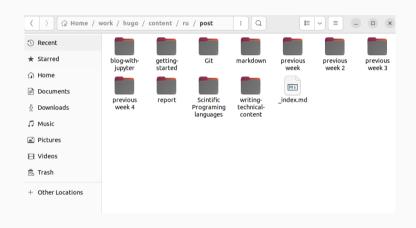
```
avperegudov@avperegudov: ~/work/hugo
Environment: "development"
Serving pages from disk
Running in Fast Render Mode. For full rebuilds on change: hugo server --disableF
astRender
web Server is available at http://localhost:1313/ (bind address 127.0.0.1)
Press Ctrl+C to stop
Cavperegudov@avperegudov:~/work/hugoS ~/bin/hugo
Start building sites ...
nugo v0.124.1-db083b05f16c945fec04f745f0ca8640560cf1ec+extended linux/amd64 Buil
dDate=2024-03-20T11:40:10Z VendorInfo=gohugoio
                    EN I RU
 Pages
 Paginator pages
 Non-page files
                    43 | 46
 Static files
                           9
 Processed images |
                    91 | 84
 Aliases
                    15 | 14
 Cleaned
                     0
                          0
Total in 687 ms
vperegudov@avperegudov:~/work/hugo$
```

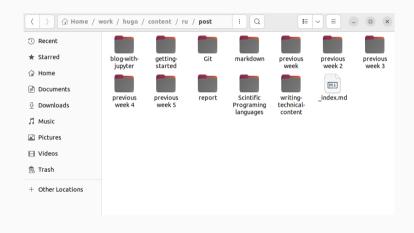
```
avperegudov@avperegudov:~/work/hugo$ ~/bin/hugo server
Watching for changes in /home/avperegudov/{.cache,work}
Watching for config changes in /home/avperegudov/work/hugo/config/_default, /hom
e/avperegudov/.cache/hugo_cache/modules/filecache/modules/pkg/mod/github.com/!hu
go!blox/hugo-blox-builder/modules/blox-plugin-netlify@v1.1.2-0.20231108141515-04
78cf6921f9/config.yaml, /home/avperegudov/.cache/hugo_cache/modules/filecache/mo
dules/pkg/mod/github.com/!hugo!blox/hugo-blox-builder/modules/blox-plugin-reveal
@v1.1.2/config.yaml, /home/avperegudov/.cache/hugo_cache/modules/filecache/modul
es/pkg/mod/github.com/!hugo!blox/hugo-blox-builder/modules/blox-bootstrap/v5@v5.
9.7/hugo.yaml, /home/avperegudov/work/hugo/go.mod
Start building sites ...
hugo v0.124.1-db083b05f16c945fec04f745f0ca8640560cf1ec+extended linux/amd64 Buil
dDate=2024-03-20111:40:107_VendorInfo=gohugolo
```

	EN.	RU
Pages	62	61
Paginator pages	1	1
Non-page files	43	46
Static files	9	9
Processed images	91	84
Aliases	15	14
Cleaned	0	0









```
index.md
  Open V 1
                                                     ~/work/hugo/content/ru/post/previous week 5
 2 title: Блог о событиях за прошедшую неделю (5)
 3 date: 2024-05-25
 4 math: true
 5 image:
  placement: 2
 7 caption: 'Image credit: [**John Moeses Bauan**](https://unsplash.com/photos/0GZtOF8iC0a)'
10 ### Контрольные
12 Были написаны контрольные по следующим предметам:
13
14 - Дискретная математика
15 - Аналитическая математика
16
17 ### Компьютерная архитектура
18
19 - Была сдана 6 часть самостоятельного проекта
20 - Была сдана 14 дабораторная работа
21
22 ### С наилучшими пожеланиями, Александр 🙌
23
```

