STATIC TACTICS

Using static website workshops to develop capability & collaboration

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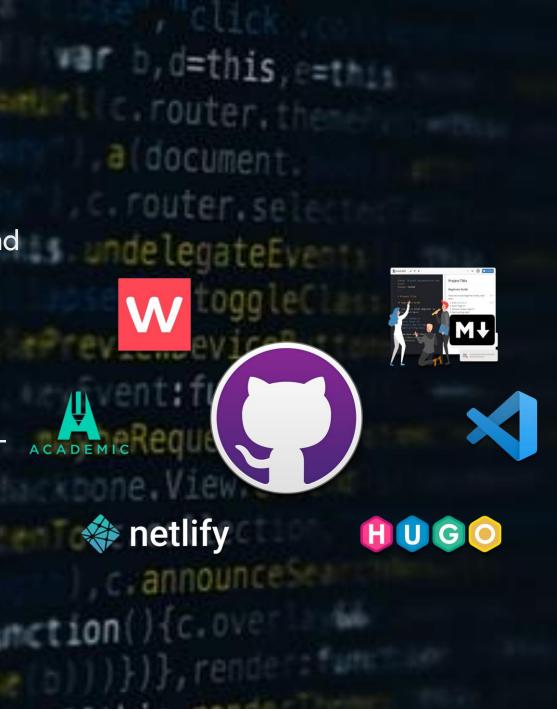
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WHAT?

- Free, static, git-based websites maintainable* and version-controlled
- Based on open-source Hugo theme (Academic), tailored for researchers
- Packaged by Wowchemy, deployed by Netlify
- Markdown-based, supports math equations, codehighlighting and diagrams, great way to showcase projects
- Also text editors, CSS, HTML, Shortcodes, Front Matter, config files (yaml, toml)



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RECENT & UPCONING TALKS

FAILURED PUBLICATIONS

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BIOGRAPHY

Matt's background spans the arts and technology, working as an Art History Teaching Fellow and Visual Resources Administrator before taking up a position in Victoria University of Wellington's Information Technology unit.

In his current role as a Digital Research Consultant, he acts as a 'digital interpreter', working with researchers from different disciplines to utilise technology in innovative and transformative ways. He has assisted with the development of open source projects and research tools, coordinated numerous community-building and training events, and enjoys the opportunity to introduce researchers to new approaches and collaborators.

EDUCATION

INTERESTS

· Web Design

Digital Humanities
 Digital Humanities
 Researcher Development
 Victoria Lowordy of Initington
 High Performance Computing
 Audio/visual Performance
 Victoria University of Initington
 Victoria University of Initington

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FEATURED

PUBLICATIONS

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Matt Plummar July 2013 - In STP

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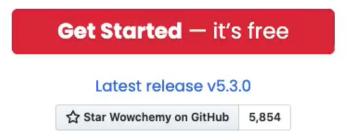


Build future-proof sites 🚸

The FREE, Hugo-based OPEN SOURCE website builder trusted by 750,000+ sites.

No Code. Easily build anything with widgets - from

landing pages, online courses, and knowledge bases to academic resumés, conferences, and tech blogs.



Trusted by 750,000+ sites, including staff and alumni from

1417

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MHY?

Intrinsic motivation - website design is fun, academic portfolio site useful for research engagement.

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- Low risk, free-to-fail "sandpit", empowering and enjoyable
- □ Excellent way to teach version control benefits and processes
- □ GitHub identity can also be used to access related services e.g. (HackMD)
- Encourages troubleshooting deploy logs, community fora
- Entry-level training that creates a platform for collaboration and skill base for further capability development
- □ Immediacy live site deployed and first git commit made within 15 minutes
- Can appeal to a different audience to those who'd sign up for a carpentries workshop, while acting as a useful primer
- Can cater to different levels of skill and experience

VUW COMPUTE CAPABILITY MODEL

Desktop Mastery

Focus: Learning and utilising desktop tools for better and faster results

Tools: R, Matlab, SPSS, PowerBl, Git DataVis

Training: Software Carpentry, ResBaz, 121, local workshops, online, static website development, statistical consultancy

Scale-up Sandpit

Focus: Learning to scale up, test and break out of the desktop for increased compute or coding

Tools: AWS, Azure, Greenbutton, local CPU/GPU boxes, Cloudstor/SWAN, Jupyter notebooks

Training: Software Carpentry, local workshops, online, parallelisation / distribution

Personal Cloud or Performance

Focus: Individually focused and resource limited environment for personal or team research project

Tools: AWS, Azure,Cloudstor, Owncloud, bespoke hardware configuration

Training: Software and environment dependant

University Performance

Focus: University or School services for scaled-up distributed or parallalised compute

Tools: Rāpoi, SCS Grid, Performance servers

Training: eResearch Specialist, eScience Consultant, other researchers, disciplinary community

NeSI Services

Focus: National High Performance Computing and consultancy service

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Tools: Research and architecture dependant: https://www.nesi.org.nz/ services

Training: Introduction to HPC, NeSI provided: https://www.nesi.org.nz/ services/training

Disciplinary Services

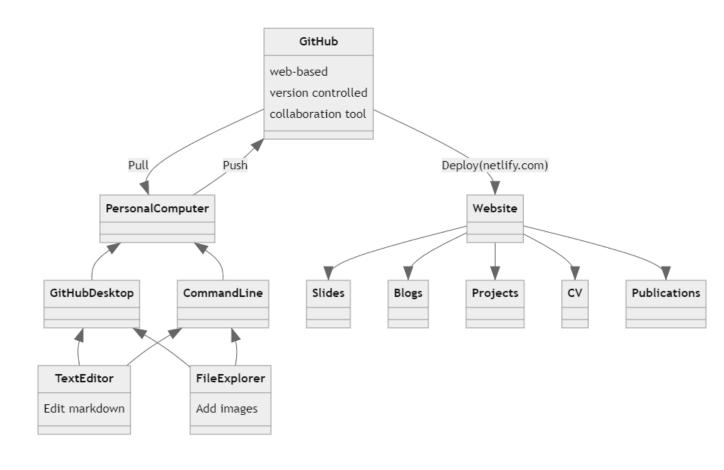
Focus: Performance computing provided by global disciplinary institutes/centres: https://www.cancercolla boratory.org/ https://adacs.org.au/ https://quantumexperien ce.ng.bluemix.net/qx

Tools: Disciplinary or research dependant

Training: Institute or centre dependant

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ECOSYSTEM CONCEPT MAP & KEY SITE LAYOUT HANDOUT



+assets
\media
icon.png (favicon for site)
+config
\default
config.yaml (main site configuration)
menus.yaml (menu configuration)
params, yaml (configure other variables, such as enabling diagrams)
+content
+admin
index.md
+authors
\admin
avatar.jpg (Substitute your image - keep the file name)
index.md (your bio here)
+home (these represent the different sections you see on the website)
about.md
contact.md
experience.md
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posts.md
projects.md
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and custom meme colours etc for site)
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HOM5

□ Carpentries-inspired methodology - sticky notes + formative feedback, both in person and online □ Code-along approach, with clear explanations □ Help – good ratio of instructor to attendees, or supplemented with helpers Peer support, in session and ongoing Introductory and follow-up sessions Repetition and a modular, scaffolded approach Paper or PDF handouts of key information (concept map of components, directory structure of site, Markdown cheat sheet)





MARKDOWN 'CHEAT' USING HACK.MO

🖹 HackMD 🖋 🔲 👁

Prime "Prime Personal" 30 days trial

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Open Refine With [Powerhouse Museum](https://www.maas.museum/powerhousemuseum/) collection data

Based on [this video](https://)

> Discover how to prep data for your next machine learning project using OpenRefine.

1. Install OpenRefine and open in browser: http://127.0.0.1:3333/

Q

2. Create project and import data (phm-collection.tsv) - `either download and upload, or add via Get Data From > Web addresses URL >

https://data.freeyourmetadata.org/powerhouse-museum/phm-collection.tsv` *tip go to https://data.freeyourmetadata.org/powerhouse-museum/ and right click on file `phm-collection` and choose `copy link address` option.

3. Notice essentially dealing with a giant spreadsheet with rows and columns, each column has a menu with options for manipulating and filtering the data for that column. On the left hand side options for facet and filter – in data science, faceting allows different views of your data by breakin it up, defined by a specific characteristic – like many sides of a gem – hence the OpenRefine logo. *concept of viewing is interesting here – we have a copy of data, different views etc*

> facet

> /ˈfasɪt,ˈfasɛt/

> noun

> one side of something many-sided, especially of a cut gem.

> "a blue and green jewel that shines from a million facets"

> a particular aspect or feature of something.

> "a philosophy that extends to all facets of the business"

![OR logo]

Line 1, Columns 1 - 55 Lines

(https://upload.wikimedia.org/wikipedia/commons/4/4b/OpenRefine_New_Logo.png)

Two main types in OpenRefine **text facet** and **numeric facet**

🖌 Spaces: 4 Breaks SUBLIME 🔑 Length: 7053

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CHANGED 22 DAYS AGO

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🐕 1 ONLINE

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a particular aspect or feature of something. "a philosophy that extends to all facets of the business"

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> feedback			menu with options for manipulating and filtering the data for that column. On the left hand side
> interview			options for facet and filter - in data science, faceting allows different views of your data by
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			> /'faset/
feedback.md			> noun
home.md			> one side of something many-sided, especially of a cut gem.
# mermaid_test.md			> "a blue and green jewel that shines from a million facets"
notes for website.md			>
open_refine.md			> a particular aspect or feature of something.
PostResBaz21_ideas.md			> "a philosophy that extends to all facets of the business"
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sensitive.md			![OR logo](https://upload.wikimedia.org/wikipedia/commons/4/4b/OpenRefine_New_Logo.png)
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> project			Two main types in OpenRefine *text facet* and *numeric facet*
✓ publication			4. Create `numeric facet` on ``Record ID`` column
✓ conference-paper			5. "No numeric value present" - you need to tell OpenRefine to treat this information as numeric
E cite.bib			data by going to ``Edit cells > Common transforms > To number `` You can now see a histogram
🔤 featured.png			that shows the value range of the Record ID (from 0 - 500 000) *tip - you can drag the handles
🔻 index.md		42	to select a specific range* 6. **Remove blank rows**
🖊 _index.md			
works.md		40	Note that there are two non-numeric values - this indicates there are blank rows in the data.To remove them, uncheck the `numeric` check box in the histogram, then click on the menu (triangle)
♦ worksList.md			in the all column and go to `Edit rows > Remove all matching rows` ~~Note: number of rows should
> slides			now be reduced by two?~~
> talk			7. **Remove duplicate rows**
			* Choose column in your dataset with a unique identifier, in this case we're going to choose
> teaching			Record ID (*tip: click x on top left corner of histogram to remove from view*)
privacy.md			* Sort duplicate IDs so they are next to each other by going to `Record ID` menu, then `sort `
🔻 terms.md			select `numbers` and check `smallest first` then `OK`
∨ data			* Note - *In OpenRefine sorting is merely a visual aid for helping you understand and clean
✓ fonts			data. to make changes made permanent, you need to click on a new menu
ogitkeep			* `Sort` that should have now appeared in the top centre of the interface. To make changes
my_font_set.toml			permanent, click on `Sort>Reorder rows permanently`. (note yellow highlighter action alert that
> themes			momentarily pops up - denoting an action has been performed)
page_sharer.toml			* Identical rows should now be next to each other. We can now use a feature called `blank down`.
✓ exampleSite			This leaves the first instance of a duplicate record intact, and turns all subsequent duplicate
			entries into blank cells. To do this, Go to `Record ID > Edit cells >Blank down` Alert: 20
> assets			duplicate record IDs (cells) have now been blanked (Running total 41915 rows)

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HOME POSTS PUBLICATIONS TALKS PROJECTS CONTACT Q

OPEN REFINE WITH POWERHOUSE MUSEUM COLLECTION DATA

Last updated on Nov 24, 2021

Based on this video

Discover how to prep data for your next machine learning project using OpenRefine.

1. Install OpenRefine and open in browser: http://127.0.0.1:3333/

- Create project and import data (phm-collection.tsv) either download and upload, or add via Get Data From : Web addresses URL : https://data.freeyourmetadata.org/powerhouse-museum/phm-collection.tsv tip go to https://data.freeyourmetadata.org/powerhouse-museum/ and right click on file phm-collection and choose copy link address option.
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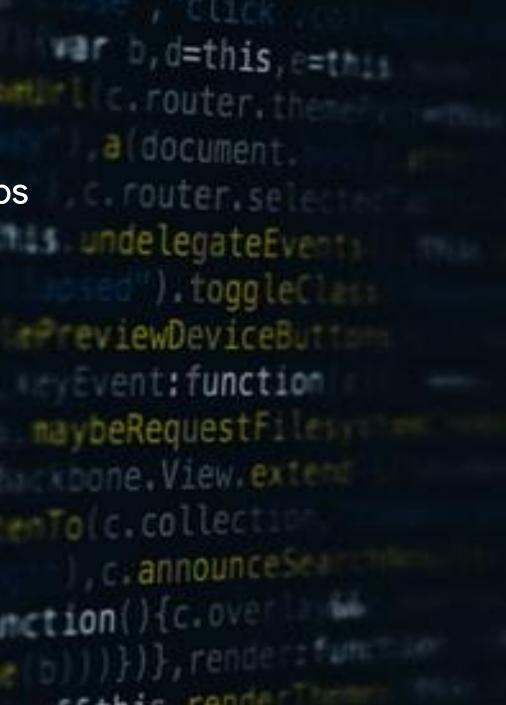
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DIFFERENT CONTEXTS

- <u>ResBaz 2020-2021</u> online workshops as part of wider event
- VECAP (Victoria Early Career Academic Program) – established cohort, 2 x 3 hour initial in-person workshops + follow up hack sessions
- <u>Post-graduate society</u> 2 x 3 hour initial in-person workshops
- Faculty of Graduate Research PhD workshops – online introductory workshop – 2 hours



FEEDBACK [VECAP]

The workshop introduced me to new tools to build my own website in a very constructive, supportive and fun way. I loved the feeling of capability and success as - step by the level step - things "worked" and I could see the changes to my new website. The workshop not only helped us troubleshoot, but taught us how to do some Tunction troubleshooting ourselves ... I've really enjoyed having to exercise a different part of my brain and to think in a different way than I normally do in my research and teaching. It's also been great fun to meet up from time to time with my cohort to keep tinkering away on the websites and help one another.

- Marnie Lloyd, Lecturer, Faculty of Law

FEEDBACK [VECAP]

The workshop offered clear and helpful instruction about website development. I do not consider myself adept at coding or IT at all, but Matt took me and a group of peers through a range of different tools and interlocking components and I was amazed at what I was able to produce for my website.

- Liana Macdonald, Lecturer Faculty of Education

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CARPENTRIES-STYLE FORMATIVE FEEDBACK [IN-PERSON WORKSHOP]

POSTIVE FEEDBACK:

- + Great workshop very interesting and easy to follow (and fun!). Found it very worthwhile
- + Perfect step-by-step instructions / learning by doing approach, really helpful
- + The session has been really informative and useful. I've learnt heaps.
- + Great pace, great explanation, very well prepared. <u>I feel</u> <u>empowered</u> and really enjoyed this. Thank you!!
- + Very useful, good to be able to switch between different applications, time and space to adapt to own needs
- + Was very clear and easy to follow along, even though I was behind initially
- + Use of GitHub, telling us to install/prepare beforehand saved a lot of time, great format learned a lot already
- + follow along parts useful, good pacing, WordPress critique helpful, enjoyed Q and A breaks a lot (great job!!)
- + Good choice of platform, easy to use, good instruction
- + Cheat sheet is good, clear and well paced.
- + The paper handout with the flow of how parts connect was helpful

CONSTRUCTIVE CRITICISM:

- could be useful to dive into GitHub Desktop for 15-30 minutes
- Digital handout with tools and examples could be cool
- Establish relationship between sites/software at beginning (to better remember where to pick up later)
- I wonder what happens if we push something wrong. Can we retract it at that level? Also, a little intro to command line.
- Follow up notes, hand out of pipeline could be useful. List of options for themes etc.
- Downloading GitHub really worried me projects, issues etc. Had no idea what I was going to use it for.
- Perhaps include a handout with basic step-by-step instructions of how to set up another website (i.e. steps we did during the first 20 mins or so of the workshop)
- Can't really think of anything . . . maybe sending out a link to what the 'academic' template includes, looks like beforehand so we know what elements to have prepared?

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RESBAZ SESSION ATTENDEES, NOVEMBER 2021



- + Excellent job navigating the multiple apps and interfaces. Clear presentation, and excellent to end up with a "product".
- + I like that you check in after every step if everyone is following along, sometimes its hard to keep up in other workshops
- + You are going at a really good pace and checking in frequently. It is great!
- + A really nice, well-paced workshop, really easy to keep up and understand what we're doing!
- + Really engaging and enjoyable workshop pace is perfect
- + Very didactic. Easy to follow!

LEVERAGE E CUSTOMISE EXISTING RESOURCES

Leslie Myint Home Posts Talks Teaching Fun CV Contact

Tips for using the Hugo academic theme Shrividya Ravi Home Projects Publications Posts Contact

Jun 27, 2018 🕤 6 min read 🕤 19 Comments 🕤 🖿 R

I recently migrated my personal website and Wo an academic, it was natural to use the Academic package made the conversion fairly straighforw some time figuring out how to work with this Hu

The source and rendered files for my website are

- Public, rendered site: the public directory w project
- Hugo content and source files: all files and c blogdown/Hugo project (i.e. TOML files, arc layouts/, static/, themes/)

Table of Contents

Resources
 Start with config.toml
 Full content RSS feeds for categories
 Modifying the Contact section
 Adding a CV

·

Mermaid in wowchemy sites

Last updated on Nov 11, 2021 🕐 2 min read

Mermaid diagrams for wowchemy sites

According to the instructions on wowchemy docs, it's quite easy to include mermaid diagrams. Just need to change the diagram parameter in config/params.toml to true. With this change, the diagram is rendered when the code is within a mermaid code block (using simple backticks markup).

Default version of Mermaid in wowchemy is problematic

Unfortunately, I had some issues with this approach. Wowchemy is still using mermaid 8.8.4 as seen in the js plugin list. The main issue being that the current version is 8.13.0 and features like rendering flowcharts with different directions to subgraphs are not available. A secondary issue was slowness in the render. Perhaps, it was my poor internet but the diagrams wouldn't always render with the default plugin location.

How to us the latest / custom version of mermaid

I ended up abandoning the wowchemy native approach and using mermaid as a third party plugin. Following instructions from here, I copied in the JS script reference to layouts/partials/custom_js.html and the shortcodes to layouts/shortcodes/mermaid.html.

Mermaid can now be called with the shortcode as follows:

{{< mermaid align="left" theme="neutral" >}}

Introduction

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The free, open source Wowchemy Website Builder enables you to easily create a beautifully simple website using the Hugo static site generator in under 10 minutes \swarrow

First steps

To get the most out of Wowchemy, start by reviewing a few introductory topics:

• 👉 Create your site

- 💽 Get Started, Build your Homepage, and Customize your new site
- Add content to your homepage such as blog posts, projects, talks, publications, slides, and much more!
- Mite and format content with Markdown, math, code highlighting, galleries, third-party integrations, and much more!
- Mave a question? Explore the Troubleshooting Guide, Q&A Forum, or ask on Discord

Community:

- Take the survey and help us improve #OpenSource
- 🛧 Star Wowchemy on GitHub to show your support
- 🔰 Share your new site with the community

wowchemy Templates Creator Stories 🎔 Sponsor Learn 👻

Home / 🚖 Docs

Q Search...

🕁 Docs

1. Create a site

3. Personalize!

Edit your site

Front Matter

Edit on your PC

Write in the CMS

Page Features

💼 Page Elements

Create a blog post

Create a course, documentation, or book

Create a project

Create an event

Create a publication

Create an author profile

Create a landing page

Create content

6 Getting started

2. Build your homepage

FUTURE PLAN5

- Formalise lesson template, including learning objectives
- Collaborate with others interested in developing these lessons

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- Continue to foster sustainable, ongoing community of practice
- WHEN: Scheduling prior to planned Carpentries workshops

□ Offer follow along sessions:

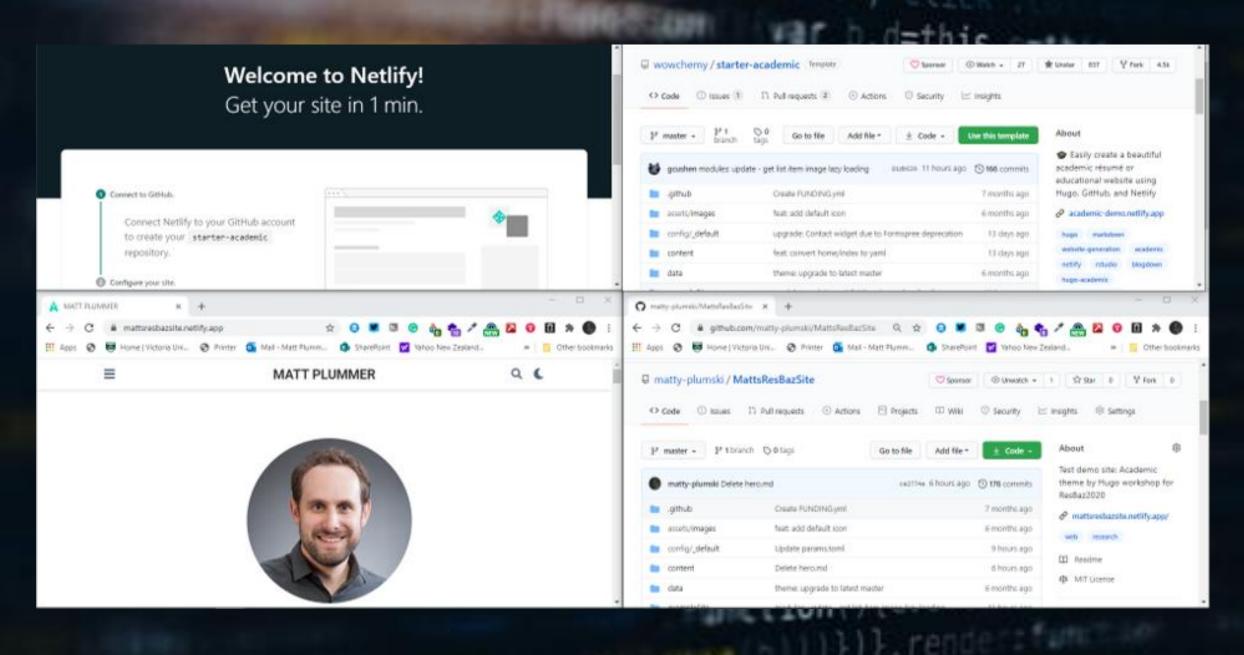
- Reverting to previous git commits
- Collaborating with git
- Advanced styling with CSS
- More about Front Matter and Shortcodes
- Collaborating on team or research group sites
- Decoupling your site from Netlify and adding custom domain

CONTACT:

matt.plummer@vuw.ac.nz @matty-plumski

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