

AST1501 - Introduction to Research

Jo Bovy

This term's classes

This term's classes

- Similar lectures as last term, but lower in frequency —> pivot to research
- Mid-term presentations: Jan 29 / Feb 1 —> same length as last term, focus on what you've done since (v. brief recap)
- Then final write-up and presentations
- Also need to decode on 1500 supervisor by mid-March!

How to make a personal website

Why to make a personal website

Why to make a personal website

- Astronomical research is a very public endeavour, so people will want to know who you are and how to contact you
- Control the narrative! Have a website with
 - Basic contact info
 - Picture (so people can know what you look like)
 - A brief description of who you are professionally (and, if you want, personally)

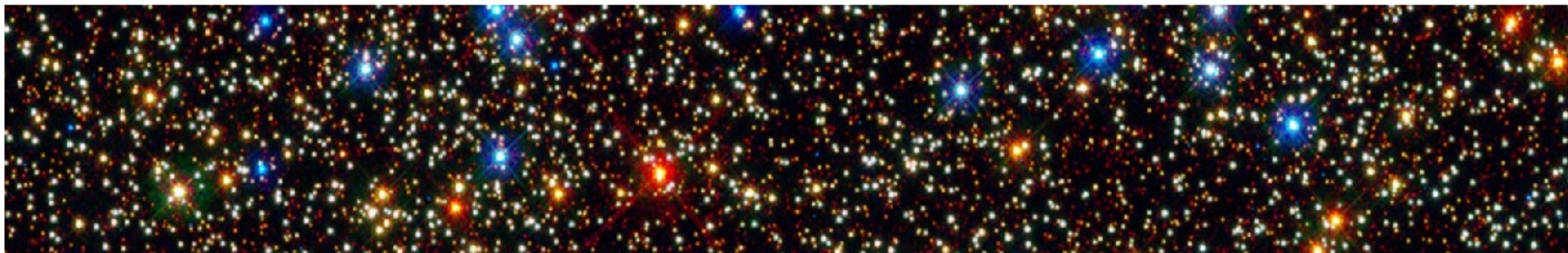
Website components

- Basic info from last slide (easy to find):
 - Who you are, picture, contact info
- Other possible components:
 - Link to PDF CV (remove personal info)
 - Research overview + discussion of latest results
 - > careful, difficult to keep up-to-date
 - Publications
 - Code contributions
 - Other things that you'd like to share
 - Hobbies/personal stuff

Website design

Website design

- Lots of possibilities!
- Main considerations:
 - Easy to navigate (and get the basic info)
 - Modern design that makes content engaging and pleasant to read
 - Easy to keep up-to-date
- Two basic formats:
 - One page that has everything → best choice for a simple, compact website
 - Spread content over multiple pages → useful if you are going to have a lot of different types of content
- Useful to think carefully about your design, because you might be using it for *many* years



Welcome!



I am an Associate Professor and Canada Research Chair in Galactic Astrophysics in the Astronomy and Astrophysics Department at the University of Toronto. My research is currently mostly focused on understanding the dynamical structure, formation, and evolution of the Milky Way, but I am interested in a variety of problems in astrophysics, especially those that involve large-scale data analysis. These days much of my research revolves around the [Gaia](#) data.

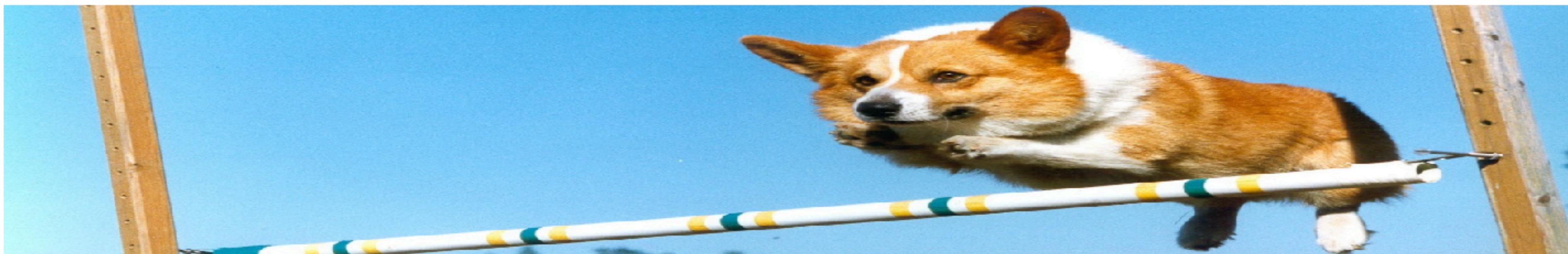
I am the main developer of [galpy](#), a well-tested, well-documented python library for galactic dynamics. For more information on other code with general usefulness, see the [code](#) section of this website or [my GitHub profile](#). I strongly believe that scientific software should be freely available and open source; all of the code used for many of my papers is available online (search for the [code] links on my [publications page](#))

contact info

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address:

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Toronto, ON M5S 3H4



Welcome!



I'm a PhD student in physics at NYU, doing research at the Center for Cosmology and Particle Physics ([CCPP](#)) with my advisor, [David Hogg](#), and others. My research is currently mostly focused on the [Milky Way](#), but I have been working on topics related to the [transparency](#) of the Universe and non-gravitational interactions in the [dark sector](#) as well.

contact info

email: jb2777 [at] nyu [dot] edu

address:

Center for Cosmology and Particle
Physics

Department of Physics

New York University

4 Washington Place

New York, NY 10003

Let's look at some examples!

Templates

Two options

- HTML page(s) that you directly edit
- Use templating engine where you write content in different files and the engine turns it into a website
 - E.g., Wordpress, but also Hugo, Jekyll
- Using standard templates rather than rolling your own allows you to “stand on the shoulders of giants”
 - E.g., templates typically will automatically make your website look good on mobile devices

Basic modern (static) websites

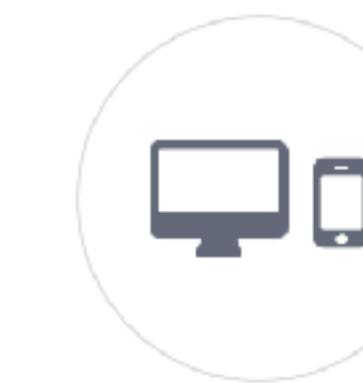
- Combination of
 - HTML: Content, layout
 - CSS: consistent styling across your website
 - Javascript: scripts to make your website animated, interactive
- Having a basic knowledge of at least HTML and CSS will be useful in creating and maintaining your website
- Learn from other website: “View Source”, or use the Javascript console

HTML5UP

<https://html5up.net/>

HTML5 UP

... makes **spiffy HTML5 site templates** that are:



Fully
Responsive



Built on intelligent
HTML5 + CSS3



Super
Customizable

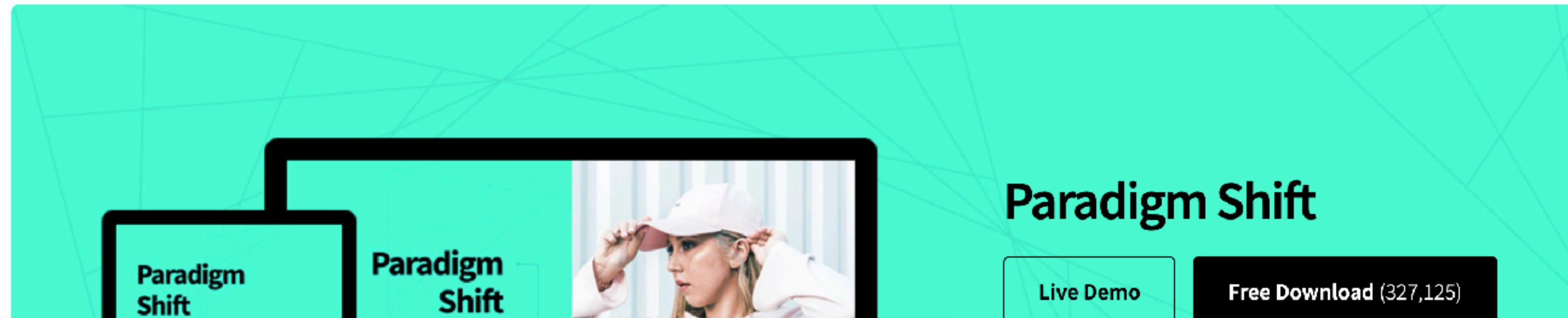


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Paradigm Shift

[Live Demo](#) [Free Download \(327,125\)](#)

Read Only Desktop Tablet Tablet (Portrait) Mobile

Like Post Back Download (238,872)

Willis Corto

I got reprogrammed by a rogue AI
and now I'm totally cray

About

Read Only

Just an incredibly simple responsive site
template freebie by [HTML5 UP](#).

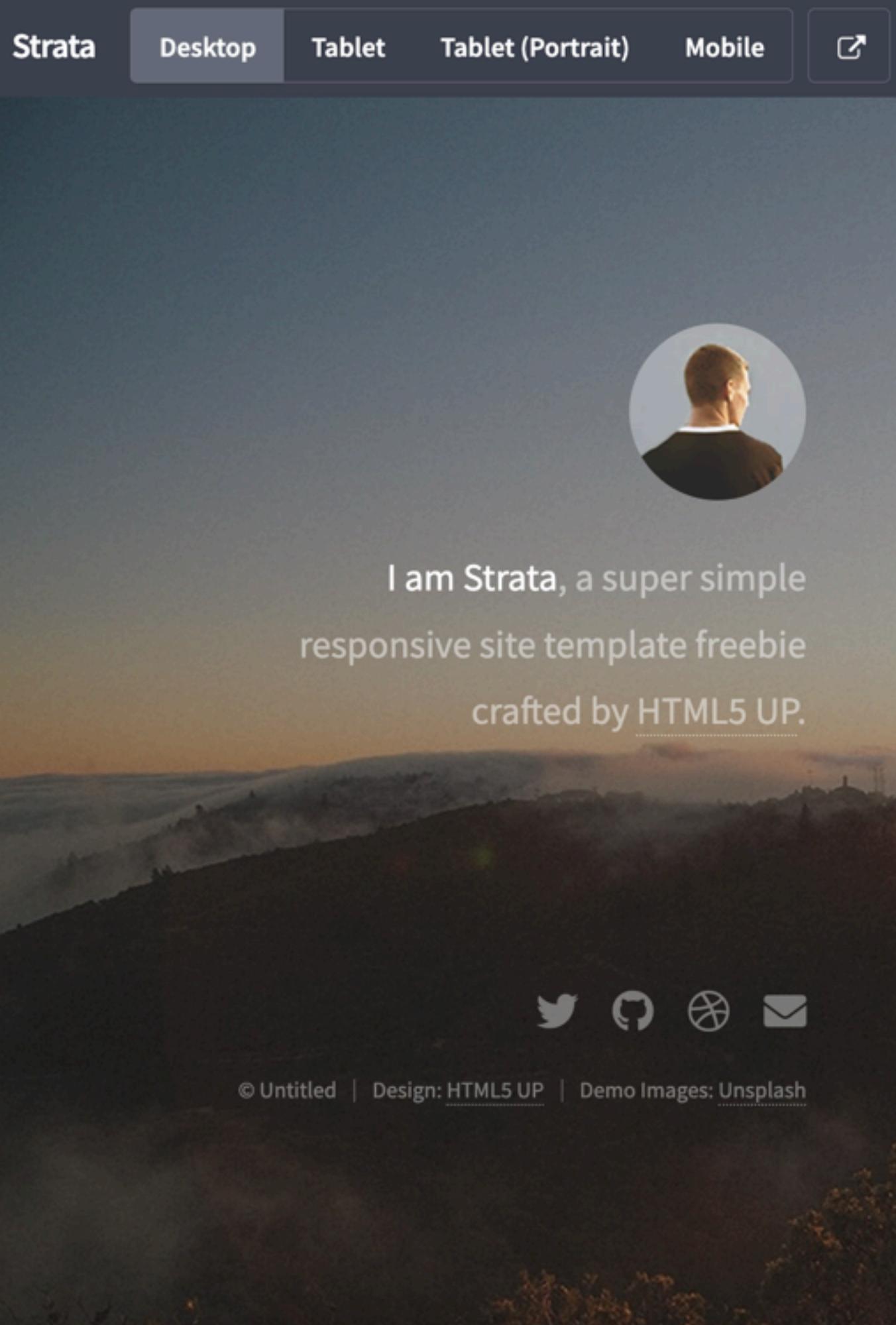
Faucibus sed lobortis aliquam lorem blandit. Lorem eu nunc metus col. Commodo id in arcu ante lorem

Things I Can Do

A Few Accomplishments

Contact





The screenshot shows a responsive website template named "Strata". The header includes navigation links for "Strata", "Desktop", "Tablet", "Tablet (Portrait)", "Mobile", and a share icon. On the right, there are social sharing buttons for "Like" and "Post", a "Back" button, and a prominent red "Download (344,235)" button. The main content area features a large circular profile picture of a man's head. Below it, text reads: "I am Strata, a super simple responsive site template freebie crafted by HTML5 UP.". A descriptive paragraph follows: "Accumsan orci faucibus id eu lorem semper. Eu ac iaculis ac nunc nisi lorem vulputate lorem neque cubilia ac in adipiscing in curae lobortis tortor primis integer massa adipiscing id nisi accumsan pellentesque commodo blandit enim arcu non at amet id arcu magna. Accumsan orci faucibus id eu lorem semper nunc nisi lorem vulputate lorem neque cubilia.". A "Learn More" button is located below this text. At the bottom of the page, there are social media icons for Twitter, GitHub, LinkedIn, and Email, along with copyright and design credits: "© Untitled | Design: [HTML5 UP](#) | Demo Images: [Unsplash](#)".

Strata

Desktop Tablet Tablet (Portrait) Mobile

Like Post Back Download (344,235)

I am Strata, a super simple responsive site template freebie crafted by HTML5 UP.

Accumsan orci faucibus id eu lorem semper. Eu ac iaculis ac nunc nisi lorem vulputate lorem neque cubilia ac in adipiscing in curae lobortis tortor primis integer massa adipiscing id nisi accumsan pellentesque commodo blandit enim arcu non at amet id arcu magna. Accumsan orci faucibus id eu lorem semper nunc nisi lorem vulputate lorem neque cubilia.

Learn More

Recent Work

© Untitled | Design: [HTML5 UP](#) | Demo Images: [Unsplash](#)

HTML5UP

<https://html5up.net/>

The screenshot shows a website template named "SPECTRAL". The background is a close-up photograph of a person's face, partially obscured by their hands, which are resting on their cheeks. The person has dark hair and is wearing a light-colored, ribbed garment. Overlaid on this image is the word "SPECTRAL" in a bold, white, sans-serif font. Below it is a horizontal line. Underneath the line, the text reads: "ANOTHER FINE RESPONSIVE SITE TEMPLATE FREEBIE CRAFTED BY [HTML5 UP](#)". A red rectangular button with the white text "ACTIVATE" is positioned below this text. At the bottom of the page, there is a "LEARN MORE" link with a downward arrow, followed by a "MENU" button with a three-line icon.

Spectral Desktop Tablet Tablet (Portrait) Mobile

Google Translate

MENU

SPECTRAL

ANOTHER FINE RESPONSIVE
SITE TEMPLATE FREEBIE
CRAFTED BY [HTML5 UP](#).

ACTIVATE

LEARN MORE

MENU

But many more options

- Good way to find templates: look in the footer of websites you like!

But many more options

Nolan Koblischke

nolan.koblischke@mail.utoronto.ca

U of Toronto PhD Student in Astrophysics

I use modern machine learning methods to enhance and accelerate research in astrophysics.

I interned at the Geneva Observatory with EPFL where I worked on the calibration of the Tip of the Red Giant Branch (TRGB) method.

I worked on a team that launched a high altitude balloon from the Swedish arctic to measure cosmic rays and co-founded the UBCO Astronomy Club.

I enjoy attending Hackathons, I led a team that won the Machine Learning Prize at the McGill Physics Hackathon.

Previously: UBC Bachelor's in Physics (Honours), Minor in Computer Science

[Email](#) / [LinkedIn](#) / [X](#) / [Github](#)



Esrang Space Center, Sweden

But many more options

The screenshot shows a GitHub repository page for 'jonbarron / website'. The repository is public and has 14 watchers, 1.7k forks, and 2k stars. It contains 1 branch and 0 tags. The 'Code' tab is selected. The repository has 892 commits from various contributors, with the most recent commit being 'modernizing text....' by 'jonbarron' yesterday. Other commits include 'no line breaks in bio' by 'smurf' last month, 'award!' by 'mipnerf' 3 years ago, 'formatting' by 'mipnerf360' 2 months ago, 'peacock' by 'zipnerf' 3 months ago, 'so many links.' by 'READMD.md' 2 years ago, 'modernizing text....' by 'index.html' yesterday, and 'html: Fix Named character reference was not terminated ...' by 'stylesheet.css' 6 months ago.

jonbarron / website Public

Code Issues 4 Pull requests 4 Actions Projects Wiki Security Insights

Watch 14 Fork 1.7k Star 2k

master 1 Branch 0 Tags Go to file Add file Code

About

No description, website, or topics provided.

Readme Activity 2k stars 14 watching 1.7k forks Report repository

Contributors 96 + 82 contributors

Languages

HTML 87.5% CSS 6.4%

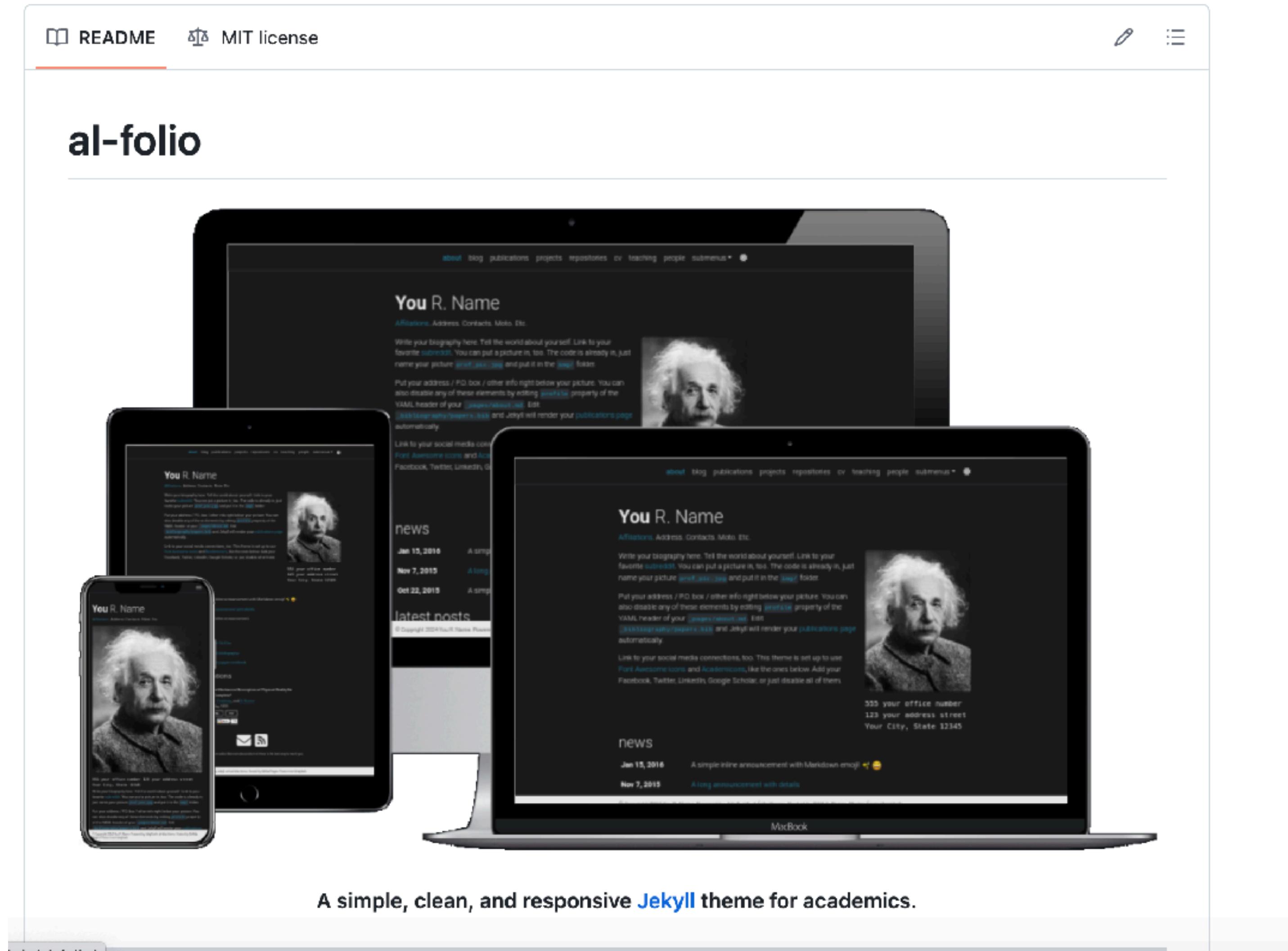
This is the source code to Jon Barron's public academic website: <https://jonbarron.info/>. Feel free to clone this

Site generators

- Somewhat easier to maintain when you write text in simple text files that get combined into a website
- Academic website templates can also include automated ways to turn a bibtex file of your publications into a list of publications
- Requires a bit more work to setup and maintain, because you have to rebuild your website whenever you change it (and software may not work on the server you are using)

Site generators: examples

<https://github.com/alshedivat/al-folio>

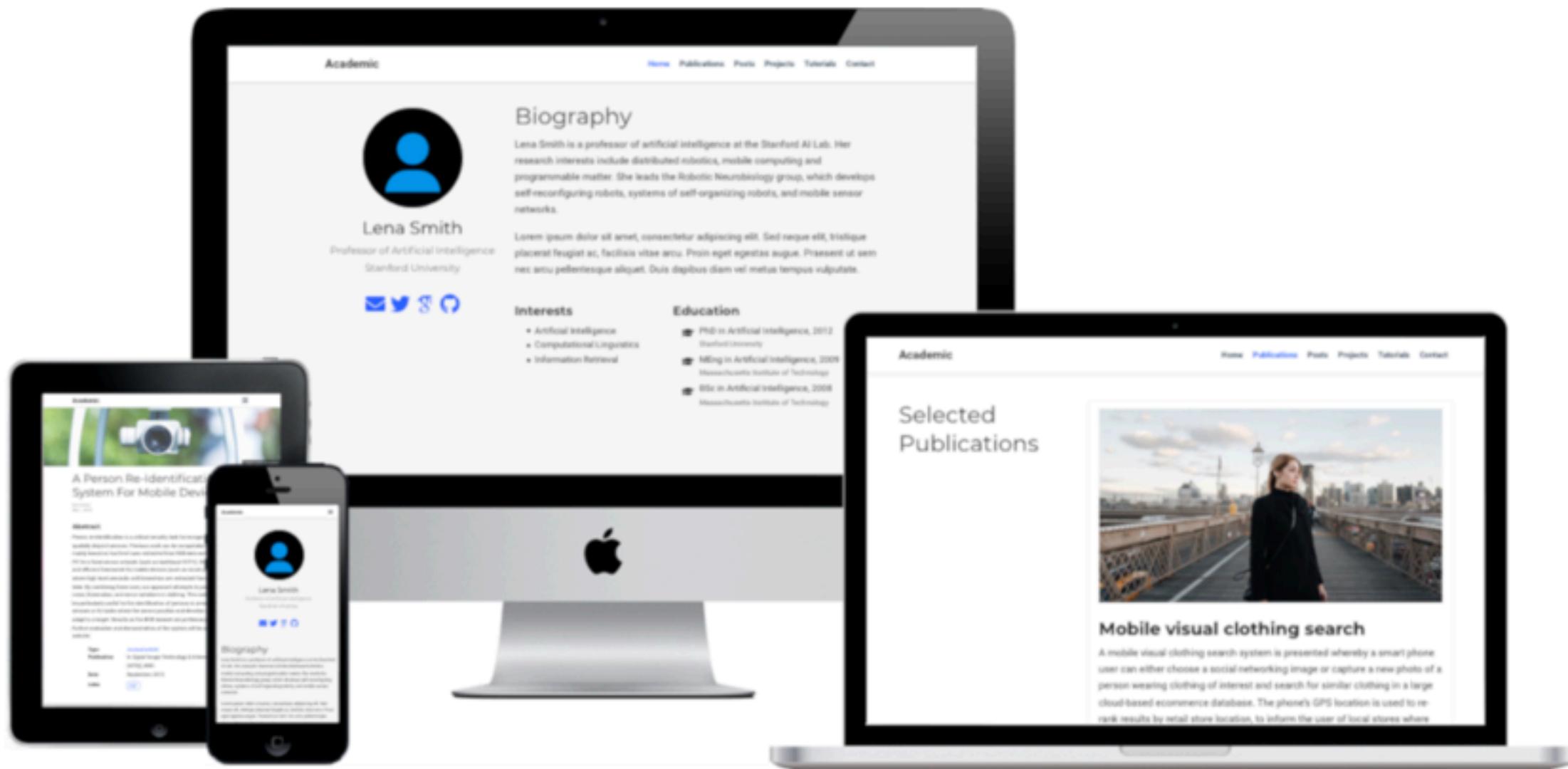


Site generators: examples

<https://github.com/HugoBlox/theme-academic-cv>

README MIT license

Hugo Academic CV Theme



The Hugo Academic Resumé Template empowers you to easily create your job-winning online resumé, showcase your academic publications, and create online courses or knowledge bases to grow your audience.

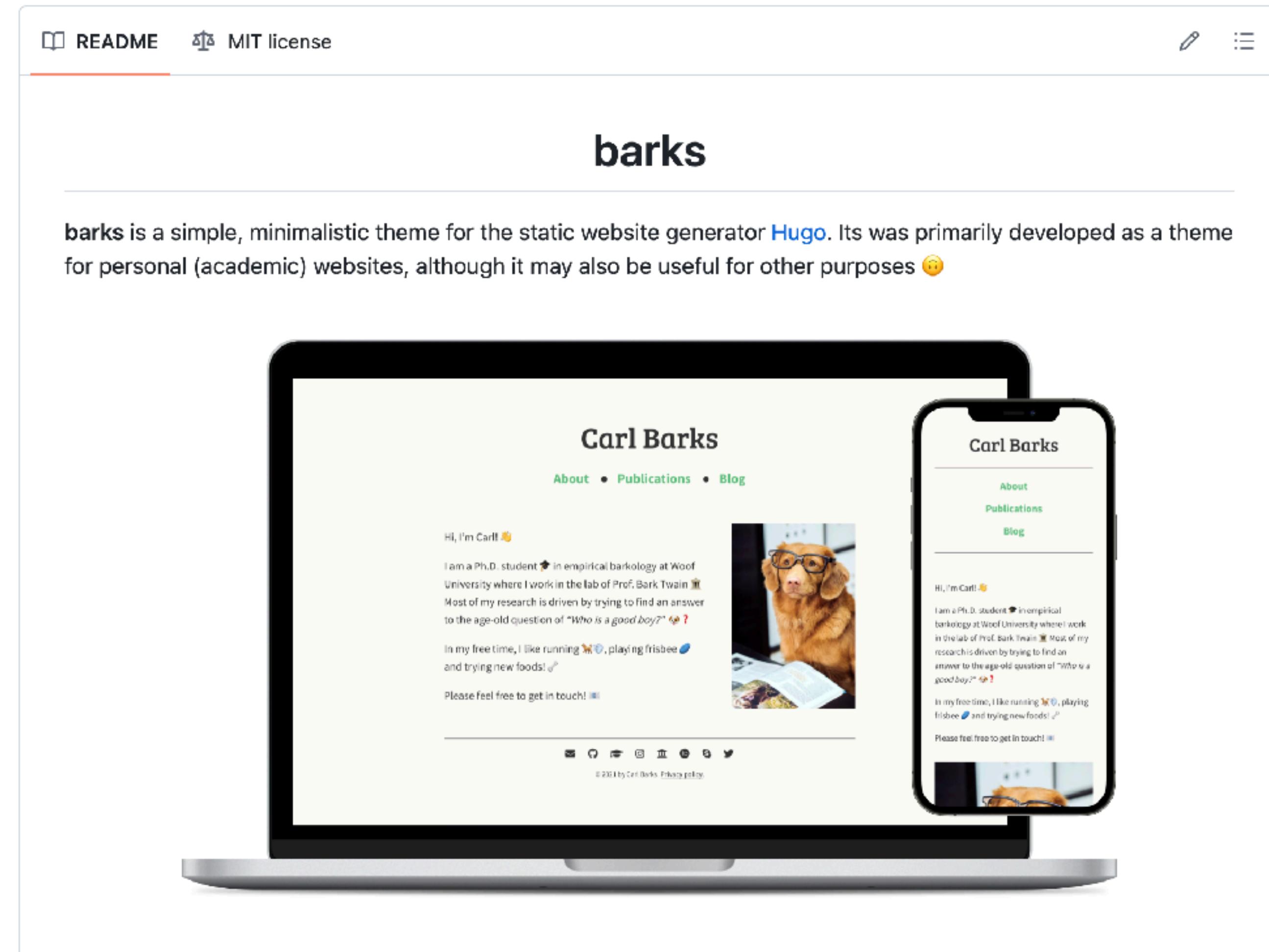
GET STARTED CHAT 146 ONLINE

X Follow on Twitter

Powered by over 200,000+ websites and students. Built with the latest technologies.

Site generators: examples

<https://github.com/timothygebhard/barks>



Hosting

Hosting

- You will need to host your website on a server
- Options:
 - Department server: under ~/web
—> appears on astro.utoronto.ca/~username
 - GitHub: can host one website under username.github.io
https://pages.github.com/ gives overview
 - Or host under any other hosting service (usually needs \$\$\$)
- You can also use a custom domain name (e.g., jobovy.org) —> domain name and host are different (e.g., you can have jobovy.org hosted at astro.utoronto.ca/~username or jobovy.github.io)