

# Breaking Down Barriers

Using Docsify-This As an Entry Point  
to Markdown Open Publishing

[bit.ly/otessa24-docsify-this](https://bit.ly/otessa24-docsify-this)

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Except for embedded  
third-party content

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# Session Topics

1. Open Content Format Considerations
2. Markdown
3. Docsify-This
4. Hosting Markdown Files
5. Live Demo
6. Online Activities!

# **1. Open Content Format Considerations**

# Open Content Format Considerations

- Support for the 5 Rs
  - For example, is content reusable across different platforms?
- Content editing tools
  - For example, are there Web and/or desktop editing options?
- Publishing workflows
  - For example, how is raw content turned into Web pages?
- Collaboration and version control potential
  - For example, can content revisions be managed?

## 2. Markdown

# What is Markdown?

Markdown is a syntax to format the display of content stored as plain text - similar but simpler than HTML formatting

# Markdown Examples

# Your H1 Text Here

## Your H2 Text Here

*\_your italic text here\_*

**\*\*your bold text here\*\***

\* your unordered list item here

1. your numbered (and indented) list item here

[link title](https://www.google.com)

![Image Alt Text](imagefile.jpg)

**Tip: To ensure a new paragraph after text in markdown, put two spaces after the end of the line**

# Why Markdown?

- ✓ System-independent
- ✓ Text-only (future proof *and* perfect for version control!)
- ✓ Separation of content vs. presentation
- ✓ Human-readable (i.e. more than HTML)
- ✓ Can also contain HTML snippets



# Example HTML Snippets

```
<div style="text-align: center;">
```

```
# This h1 Header is Centered
```

```
</div>
```

---

```
<details>
```

```
  <summary>Content title</summary>
```

```
  This content can be <em>shown/hidden</em>.
```

```
</details>
```

# Publishing with Markdown

- Markdown Converters
  - For example, Pandoc ([pandoc.org](https://pandoc.org))
- Markdown Static Site Builders
  - For example, Jekyll ([jekyllrb.com](https://jekyllrb.com))
- Markdown Dynamic Renderers
  - For example, Docsify ([docsify.js.org](https://docsify.js.org))

***How can we make publishing open content with Markdown easier?***

### **3. Docsify-This**

# Docsify-This

Docsify-This is an open source Web app, built using the Docsify Open Publishing Kit, that can instantly turn online Markdown files into web pages

# Docsify-This Core Design Principles

1. Frictionless Markdown publishing
2. Flexible content display handling
3. Your content, your control
4. Support the 5 Rs of OER
5. Authors helping other authors

# Publishing Markdown Content with Docsify-This

1. Create or view a Markdown file on GitHub, Codeberg or a Webserver and copy that URL
2. Go to **Docsify-This.net**, paste the URL into the **Markdown File URL** field, and tap the **Publish as a Standalone Web Page** button
3. *That's it, there is no step 3!*



# Docsify-This

## Instantly Turn Online Markdown Files into Web Pages

This open-source web app, built with the magical documentation site generator [Docsify](#), provides a quick way to publish one or more online [Markdown](#) files as standalone web pages without needing to set up your own website. Try it out below!

### Web Page Builder

Enter the URL of a Markdown file and view that file as a web page in a new Browser tab. The resulting Docsify-This page URL can be copied and shared or used as an iFrame source URL.

Markdown File URL (GitHub, Codeberg or raw source URL):

[Publish as a Standalone Web Page](#)

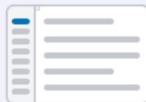
Page layout:



Content Only



Table of Contents



Docsify Sidebar

☐ Include 'Edit this Page' link with public GitHub or Codeberg files (default location is bottom of page)

[Show More Page Appearance Options »](#)

### All About Docsify-This

- [What Problem Does Docsify-This Solve?](#)
- [Docsify-This Core Design Principles](#)
- [How Docsify-This Works](#)
- [Read What People are Saying about Docsify-This](#)
- [Example Content Workflows](#)
- [Ready-to-Use Docsify-This Markdown Templates](#)
- [Additional Docsify-This Markdown Examples and Templates](#)
- [Page Appearance URL Parameters](#)
- [Embedding Docsify-This Pages into Other Platforms](#)



# My Open Publishing Space

## Create, Share and Collaborate



[Docsify](#) can generate article, portfolio and documentation websites on the fly. Unlike Docusaurus, Hugo and many other Static Site Generators (SSG), it does not generate static html files. Instead, it smartly loads and parses your Markdown content files and displays them as a website.

### Introduction

**Markdown** is a system-independent markup language that is easier to learn and use than **HTML**.



Figure 1: The Markdown Mark

Some of the key benefits are:

1. Markdown is simple to learn, with minimal extra characters, so it's also quicker to write content.
2. Less chance of errors when writing in markdown.
3. Produces valid XHTML output

# Example Docsify-This URL

`https://docsify-this.net/?basePath=https://raw.githubusercontent.com/hibbitts-design/docsify-this-one-page-article/main&homepage=home.md&sidebar=true`

OpenArm

Characteristics

Rules

Machine Learning (AI)

Learning input/output

Learning for Self-Design

Research Phase

How it started

Energy Regen

Tendons & Ligaments

Slip Ring

Build & Design Log

December 2023

June 2023

October 2023

How You Can Help

Why help?:

Mechanical

Electronics

Software

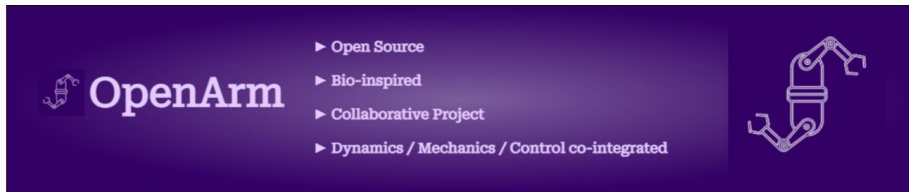
Documentation

References

Credits 🙌

Sources 📖

References 🎓



## OpenArm

*An open-source robot arm*

**PURPOSE:** to design a robot arm using bio-inspiration for higher modularity and higher loads than leading commercial designs in 2023.

[Github Repo](#)

[Website](#)

## Characteristics

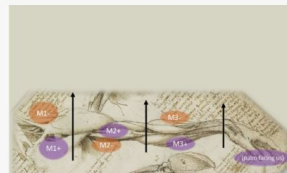
Version 1

- Comprised of 3D Printable + OTS parts
- Less than \$150 in components
- Using DC motors, M2 Belts, and M2 pulleys like those of 3D printers
- Having no encoders required ✨
- Bio-inspired - having damping forces and torque relationships similar to a human arm.
- Digital-twin oriented - the simulated design shall represent the real implementation sufficiently to simulate motion.
- Parametric design - the geometry leaves space for variations and modifications of internals & frame.

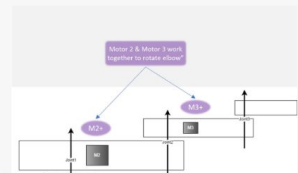
### Biological Sketch



### Biological sketch with motors identified



### Robot Arm concept with motors



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dmalawey

Update README.md

530a5cd · 3 months ago

76 Commits

img	Update readme.md	9 months ago
LICENSE	Initial commit	9 months ago
README.md	Update README.md	3 months ago

README

MIT license


OpenArm

► Open Source

► Bio-inspired

► Collaborative Project

► Dynamics / Mechanics / Control co-integrated



## OpenArm

An open-source robot arm

**PURPOSE:** to design a robot arm using bio-inspiration for higher modularity and higher loads than leading commercial designs in 2023.

[Github Repo](#) | [Website](#) |

## Characteristics

Version 1

About

An Open Source Robot Arm

[qr.page/g/2wY5JrxccID](#)

education

ai

makers

dynamics

openhardware

3dprinting

Readme

MIT license

Activity

5 stars

3 watching

0 forks

Report repository

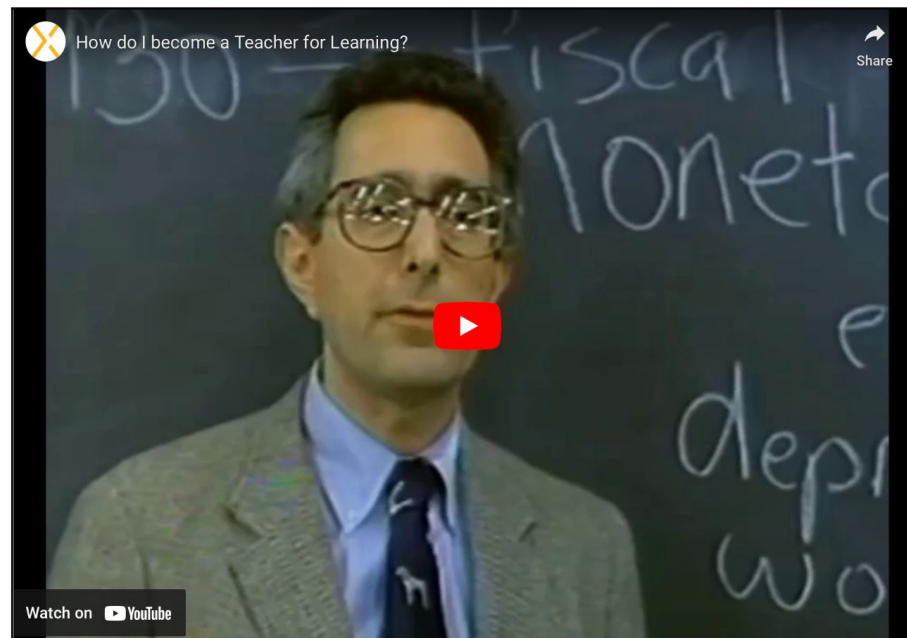
> **Scenario**

- > Overview
- > How Learning Works
- > Prior Knowledge
- > Organise Knowledge
- > Motivation
- > Mastery
- > Feedback and Practice
- > Climate of the Course
- > Metacognition
- > Summary




## Scenario

Students don't seem to understand the material in my course. They just don't get it! For some reason they seem to miss the mark in my exams each year no matter what I try to do to prepare them. They seem disinterested and distracted. I want them to understand the relevance and enthusiasm I feel for my content, but I'm out of ideas on how to get through to them.



Direct Link: [How do I become a teacher For learning?](#)

github.com

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Files

main

Go to file

docs

collaborator

curator

experimenter

scholar

teacher-for-learning

images

technologist

\_footer.md

\_sidebar.md

climate-of-the-course.md

feedback-and-practice.md

how-learning-works.md

mastery.md

metacognition.md

motivation.md

organise-knowledge.md

overview.md

prior-knowledge.md

scenario.md

summary.md

README.md

waikato-extend / docs / teacher-for-learning

...

harlows

Update\_footer.md6fee52a · 3 months agoHistory

Name	Last commit message	Last commit date
..		
images	Add files via upload	3 months ago
_footer.md	Update_footer.md	3 months ago
_sidebar.md	Update_sidebar.md	8 months ago
climate-of-the-course.md	Update climate-of-the-course.md	3 months ago
feedback-and-practice.md	Update feedback-and-practice.md	3 months ago
how-learning-works.md	Update how-learning-works.md	3 months ago
mastery.md	Update mastery.md	3 months ago
metacognition.md	Update metacognition.md	3 months ago
motivation.md	Update motivation.md	3 months ago
organise-knowledge.md	Update organise-knowledge.md	3 months ago
overview.md	Update overview.md	3 months ago
prior-knowledge.md	Update prior-knowledge.md	3 months ago
scenario.md	Update scenario.md	3 months ago
summary.md	Update summary.md	3 months ago

SFU

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PUB607 G100 > Tutorial: CSS

Spring 2023

Home

Introduction

Assignments

Lecture 1: Files

Lecture 2: Text Production

Lecture 3: EBooks

Tutorial: Pandoc

Tutorial: RegEx

Tutorial: CSS

Lecture 4: Audio Production

Tutorial: Digital Audio Workstations

Course Evaluations

A CSS Primer

This is the smallest, shortest CSS primer you'll ever see.

Basic syntax (note the punctuation):

A CSS file is a collection of declarations about what **things** (er, content objects) look like. We say which thing we mean by using a "selector" and then we tell it what we want by specifying "attributes" and "values". The punctuation is necessary: it basically goes like this:

selector { attribute: value; }

markup

E.g.,

h1 { font-size: 18pt; }

markup

The **selector**: specifies the thing that we're going to talk about. It can be an HTML **element** like `p` or `h1` or `blockquote`

p

markup

It can also refer to specific kinds of those elements, where they have named **classes** (as in `<p class="whatever">`). Or where they have a unique identifier:

p.whatever

markup

p#uniqueID

markup

You can also specify that the thing only counts if it appears in a particular context. For instance, `p` only if it appears within a `section` element, but not otherwise:

section > p

markup

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main1 Branch0 TagsGo to fileCode

jmaxsfu Added zoom recorder image ✓3402f8f · last year198 Commits

Alice	Update AW-3.txt	last year
Other	Update Bigoverview2022.md	last year
img	Added zoom recorder image	last year
.gitignore	get rid of DS_store	last year
1.Files.md	Update 1.Files.md	last year
2.Production.md	Removed microphone from Lecture2	last year
3.Ebooks.md	Update 3.Ebooks.md	last year
4.Audio.md	Update 4.Audio.md	last year
Assignments.md	Update Assignments.md	last year
Audacity.md	Create Audacity.md	last year
CSS.md	tweaks	last year
CSSspec.md	Added CSS examples	last year
Commands.md	Pandoc tutorial details	last year
DAW.md	Added zoom recorder image	last year
DownloadPage.md	Update DownloadPage.md	last year
Github.md	Minor edits to Github how tos	last year
GithubPages.md	Minor edits to Github how tos	last year
Pandoc.md	Update Pandoc.md	last year

About

This is material for PUB 607, a graduate project course in Publishing production technologies at Simon Fraser University. This course is new as of spring 2023.

[jmaxsfu.github.io/pub607-23/](https://jmaxsfu.github.io/pub607-23/)

ReadmeActivity3 stars1 watching1 forkReport repository

Releases

No releases published

Packages

No packages published

Contributors 2

jmaxsfu John Maxwell

Shaleeta

Languages

CSS 100.0%



## **4. Hosting Markdown Files**

# Hosting Markdown Files

- GitHub or Codeberg
  - a. Signup for a GitHub or Codeberg account
  - b. Make a new repository, and create or upload your Markdown file
  - c. View the Markdown file, and copy/paste that URL into the Docsify-This Markdown File URL field
- Gist (GitHub Gists)
- Personal or Organizational Webhost
- *Or anywhere a raw source Markdown file can be accessed!*

# Time for Questions & Discussion

- What we've covered so far
  - Open content format considerations
  - Markdown
  - Docsify-This
  - Hosting Markdown files
- Coming up
  - Live demo
  - Online activities!

## **5. Live Demo**

## **6. Online Activities!**

[bit.ly/otessa24-docsify-this](https://bit.ly/otessa24-docsify-this)

## Breaking Down Barriers: Using Docsify-This As an Entry Point to Markdown Open Publishing

Materials for Paul Hibbitts' [OTESSA 2024 Conference](#) online workshop about the open source project [Docsify-This](#).

- [Interactive Worksheet](#) (PDF)
- [Introduction to Docsify-This](#) (PDF)
- [Google Slides](#) (PDF)



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Markdown export from Google Docs courtesy of the [Docs to Markdown](#) Google Drive extension. These materials are also available on [Codeberg.org](#).

All text of this work at [bit.ly/otessa-2024-docsify-this](#) by Paul Hibbitts is licensed under [CC BY 4.0](#) 

 [View on GitHub](#)

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Displayed by [Docsify-This](#), based on the [Docsify Open Publishing Starter Kit](#).

# Next Steps

## Markdown Guide

- [markdownguide.org](https://markdownguide.org)

## Improving The Accessibility Of Your Markdown

- [smashingmagazine.com/2021/09/improving-accessibility-of-markdown](https://smashingmagazine.com/2021/09/improving-accessibility-of-markdown)

## OER on GitHub What, Why, & How (also applies to Codeberg)

- [evanwill.github.io/make-oer](https://evanwill.github.io/make-oer)

## Markdown Desktop Editors

- [code.visualstudio.com](https://code.visualstudio.com)
- [typora.io](https://typora.io)

## GitHub Desktop App (can also be used with Codeberg)

- [desktop.github.com](https://desktop.github.com)

# Thank You! Questions?

## Contact info

- Web: [hibbittsdesign.org](http://hibbittsdesign.org)
- Email: [paul@hibbittsdesign.org](mailto:paul@hibbittsdesign.org)

## OTESSA 2024 online workshop materials

- [bit.ly/otessa24-docsify-this](https://bit.ly/otessa24-docsify-this) (incl. these slides)

## Docsify-This

- Web App: [docsify-this.net](http://docsify-this.net)
- Publishing Guide: [publishing.docsify-this.net](http://publishing.docsify-this.net)

Want to host your own Docsify website? Check out my Docsify Starter Kits!

- [github.com/hibbitts-design](https://github.com/hibbitts-design)