Software and Accounts

Do you have a GitHub account? [github.com](http://github.com)

Have you downloaded and installed GitHub Desktop? [desktop.github.com](http://desktop.github.com)

Have you downloaded and installed Atom? [atom.io](http://atom.io)
Jekyll Academic

A Creative Approach to Building and Managing Your Academic Website

Todd Stoffer and Alison Blaine
Agenda

1. Jekyll Academic Overview
2. Tools Overview
3. Hands-On Activities:
   a. Markdown Tutorial
   b. GitHub Repository Setup
   c. Build & Edit Your Website
4. Discussion of Advanced Features
Introducing Jekyll Academic

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Current Interests and Projects:

- Lorem ipsum dolor sit amet
- Lorem ipsum dolor sit amet
- Lorem ipsum dolor sit amet
- Lorem ipsum dolor sit amet
- Lorem ipsum dolor sit amet

© 2017 Your Name. Powered by Jekyll using the Jekyll Academic theme. Based on the Minimal Mistakes theme developed by Michael Rose.
Commercial Solutions

- Wordpress
- Squarespace
- Tumblr
- Wix
- Social Media Sites
- LinkedIn
- HTML Site w/ Commercial or University Hosting
**Commercial Solutions**

**Pros**
- Easy Setup
- Customer Support
- WYSIWYG Editing (No HTML Needed)
- Professional Design

**Cons**
- Cost
- Content can become trapped in database driven systems
- Built on Proprietary System
- Lack of Customization Options
- Steep Learning Curve for Advanced Features
What We Wanted

- Free
- Open Source
- Highly Customizable
- Multiple Uses (Blog/Resume/CV/Portfolio)
- Minimal Coding Required*
- Transportable (Move between institutions or hosts)
- Content is Migratable (not in a database)

*Almost
Project Overview

What is a website?
- Files on a Server

What are our Files?
- Jekyll Academic Files from the Jekyll Academic Repository

What is our Server?
- GitHub
Workflow

Edit Files → Commit Changes to GitHub → View Changed Site in Browser
By combining Jekyll (website generator) with Github Pages (hosting) and Markdown (text to HTML tool) we are able to provide a free, open-source website template designed specifically for the academic community.
What Is Jekyll

- Static Website Generator
  - Uses Ruby to Convert Text Files to HTML/CSS
- Designed to Build Fast, Simple, Secure Sites
- Open-Source
  - Strong Community
  - Regular Updates
- Highly Customizable
  - Multiple Layouts and Themes
What Is GitHub?

- Version Control and Repository for Code
  - Saves all files, and every version of every file of your project
  - Tracks Changes
  - Supports Collaboration
- Widely Used in Open Source Software Community
  - Popular = Well Supported
  - Strong Community
- A New Way to Work
  - Not Just for Code
  - Collaborate w/ developers
- In ‘The Cloud’ and Local
No description or website provided. — Edit

<table>
<thead>
<tr>
<th>Branch</th>
<th>Commit</th>
<th>Date</th>
<th>File</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>master</td>
<td>3</td>
<td>22 hours</td>
<td>_data</td>
<td>Initial Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ago</td>
<td>_includes</td>
<td>Initial Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ago</td>
<td>_layouts</td>
<td>Initial Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ago</td>
<td>_posts</td>
<td>Initial Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ago</td>
<td>_sass</td>
<td>Initial Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ago</td>
<td>about</td>
<td>Initial Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ago</td>
<td>archive</td>
<td>Initial Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ago</td>
<td>assets</td>
<td>Initial Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ago</td>
<td>images</td>
<td>Initial Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ago</td>
<td>resume</td>
<td>Initial Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ago</td>
<td>404.md</td>
<td>Initial Commit</td>
</tr>
</tbody>
</table>
What Are GitHub Pages?

- Essentially a free website
- Special Type of GitHub Repository
- Provides Professional URL
  - username.github.io
- Designed Specifically to Work with Jekyll
- Profile Pages vs Project Pages
  - Have Professional Website and Project Websites
- Fast, Reliable Hosting
  - Few Outages, No Calls to IT
What Is Markdown?

Markdown is a simple text markup language that allows you to format text in a way that gets converted into HTML. Provides power of HTML with less syntax to learn.

<table>
<thead>
<tr>
<th>Markdown</th>
<th>HTML</th>
</tr>
</thead>
<tbody>
<tr>
<td>#Heading</td>
<td>&lt;h1&gt;Heading &lt;/h1&gt;</td>
</tr>
<tr>
<td>1. List Item</td>
<td>&lt;ol&gt;</td>
</tr>
<tr>
<td>2. List Item</td>
<td>&lt;li&gt;List Item&lt;/li&gt;</td>
</tr>
<tr>
<td>3. List Item</td>
<td>&lt;li&gt;List Item&lt;/li&gt;</td>
</tr>
<tr>
<td><a href="www.link.com">link</a></td>
<td>&lt;a href=&quot;www.link.com&quot;&gt;link&lt;/a&gt;</td>
</tr>
</tbody>
</table>
Activity 1

Markdown

Please complete lessons 1-10 at http://www.markdown-tutorial.com
Activity 2

GitHub

Please Follow the Steps in the GitHub First Steps Activity Page
Activity 3

Jekyll Academic

Please Follow the Steps in the Editing Your New Website in a Browser

Activity Page
Break
Please Follow the Steps in the Github Desktop First Steps Activity Page
Activity 5

Jekyll Academic

Please Follow the Steps in the Editing Your New Website Activity Page
Advanced Features

- Adding and Removing Pages
- GitHub Command Line
- Local Jekyll Installation
- Changing Theme
Adding and Removing Pages

- What do you want your site to be?
  - Blog
  - Portfolio
  - Personal Landing Page

- Layout Types
Local Jekyll Installation

● Why?
  ○ Preview Site before it goes live
  ○ Host Site Outside of GitHub
  ○ Command Line Options
  ○ Plugins

● How?
  ○ https://jekyllrb.com/docs/installation/
Changing a Jekyll Theme

- Best to do it early on, before creating posts and editing your page
- Requires creating a new repository and importing the theme code
- Copying files from current repository over -- any posts, configuration files that you have edited or personalized
- Renaming current repository Ex: “username.github.io-OLD”
- Naming new repository user.name.github.io

NOTE: some configuration files may require manual editing and might not work with the new theme. Do this at your own risk!!
Delete Your Demo

Don’t forget the site you just made is live on the web. If you don’t want it to be live, you can delete your repository!

Go to your [username].github.io repository

Click on Settings (gear icon)

Click Delete
For More Information

Docs/Workshop Materials: go.ncsu.edu/jekyllacademic

Contact Us:
Todd Stoffer - tdstoffe@ncsu.edu | Alison Blaine - ablaine@ncsu.edu