



# Hackbright <> Corvid

June 15+16

# Sorry, who are you?

- Front end lady
- I like integrating things :)
- I also like tweeting random things
- Dev Advocate for Corvid by Wix

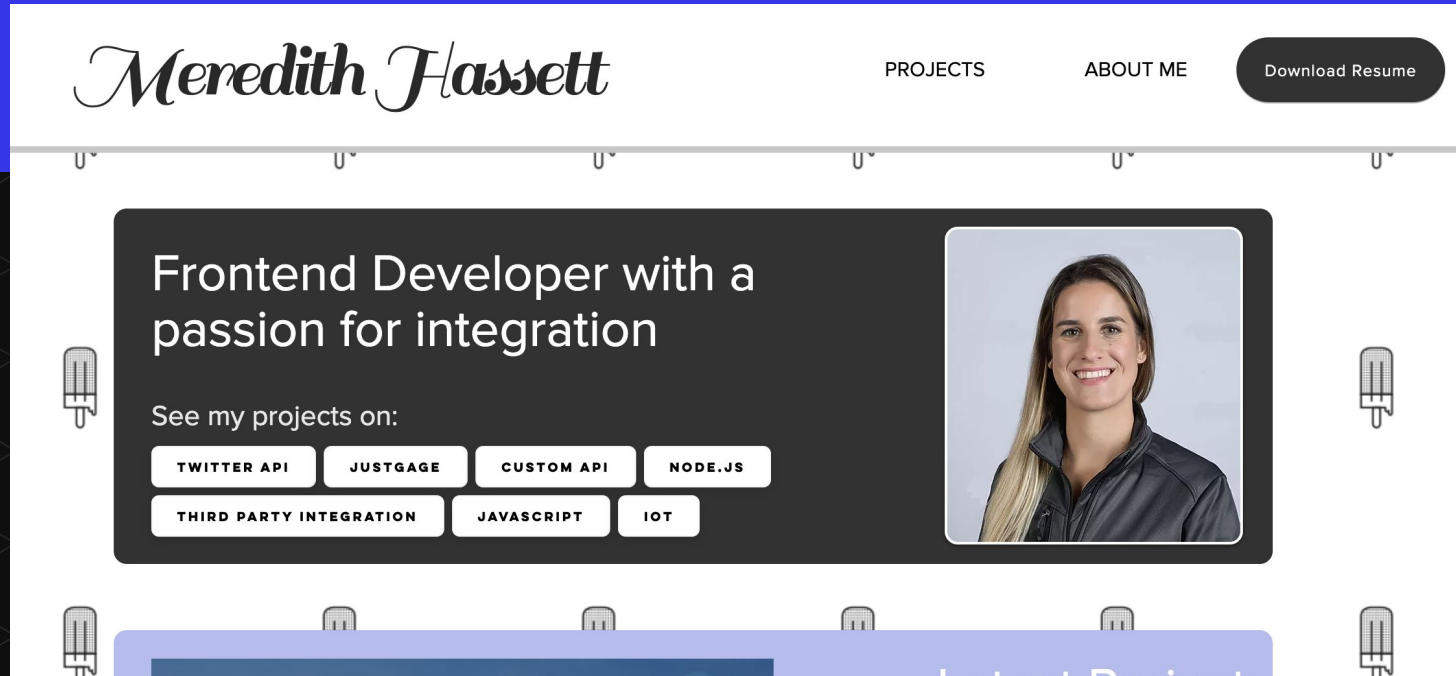


Meredith Hassett



@mlhassett

# What are we doing today?



# Follow along with the Exercises

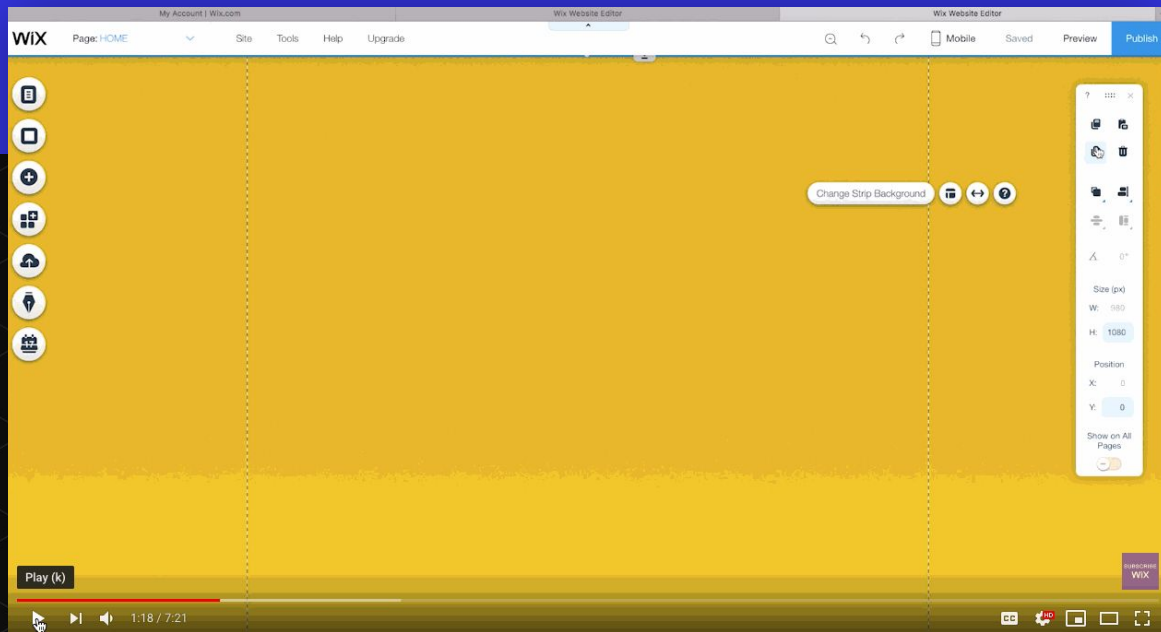
<https://github.com/corvid-by-wix>

# What is Corvid?

- Javascript Web Dev Platform
- Built-in IDE
- Integrated database
- Serverless, Node.js
- Zero setup, production-grade applications



# Professional UI Builder from Wix



# Corvid Tool Set



Built-In Cloud IDE



Node.js Server



npm Packages



HTTP Functions



Front-End APIs



External Database  
Collections



Marketing Tools &  
Integrations



Dynamic Pages

# Fully Managed

## • App:

- Visual Builder
- Identity Management
- Business Applications
- CRM
- DataBinding
- Content Pages

## • Compute

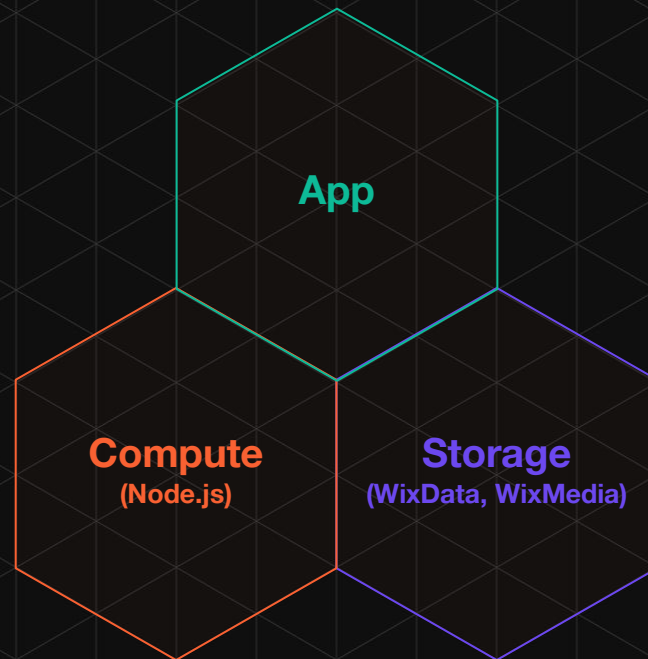
(Node.js):

- HTTP functions
- Events
- Scheduler
- NPM
- Web modules
- Routers
- Secrets
- Monitoring

## • Storage

(WixData, WixMedia):

- CRUD
- Video / Images
- Batching
- Aggregates
- Hooks
- External Collections
- Permissions





# What are we doing today?

- Corvid Basics
- Data and Dynamic Pages
- Twilio Integration

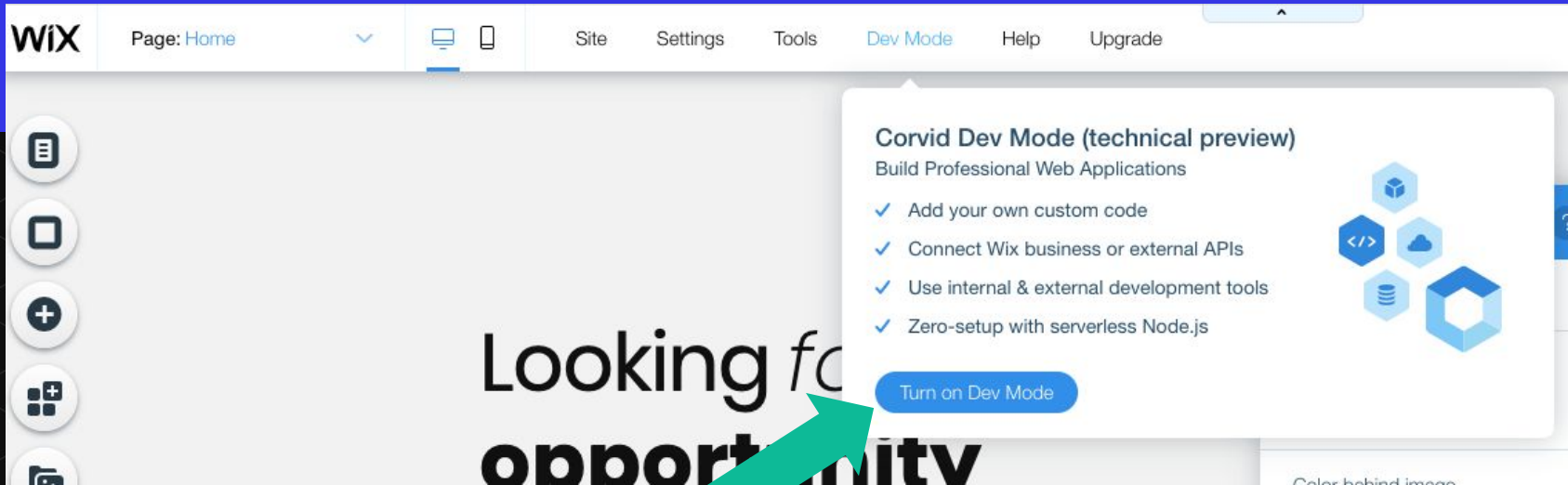
# Corvid Basics

- Dev Mode On
- Wix Element Selector API
- Wix Element Events
- APIs & Reference

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# Dev Mode On!



# Corvid Basics

- Dev Mode On
- **Wix Element Selector API**
- Wix Element Events
- APIs & Reference



# \$w()

Selects and returns  
elements from a page

```
$w.onReady(function () {  
    const textVal = $w('#textInputId').value  
  
    $w('#buttonId').onClick(() => {  
        // do something  
    })  
});
```

# Getting and Setting Values

```
Const oldValue = $w('#textInput').text
```

```
$w('#textInput').text = 'new value'
```

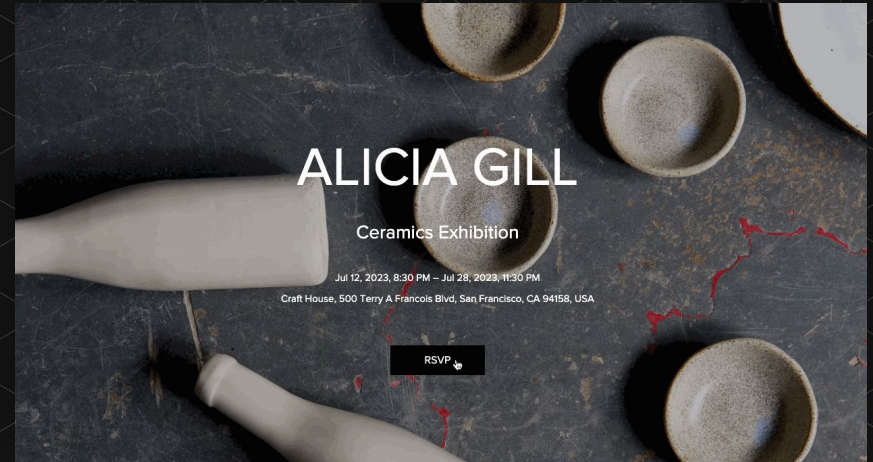
# Corvid Basics

- Dev Mode On
- Wix Element Selector API
- **Wix Element Events**
- APIs & Reference



# Events

Events are fired when certain actions occur to elements



# Element Events

`OnClick`

`onDb1Click`

`onMouseIn`

`onMouseOut`

`onViewportEnter`

`onViewportLeave`

# Button Events

**OnClick**

onDb1Click

onMouseIn

onMouseOut

onViewportEnter

onViewportLeave

# Button onClick()

```
$w('#button').onClick((event) => {  
    // action goes here  
});
```

# Corvid Basics

- Dev Mode On
- Wix Element Selector API
- Wix Element Events
- **APIs & Reference**

# Wix Data API

Functionality for working with data in collections

```
import wixData from 'wix-data'
```

# Wix Data - Query

Get the items in a collection.

```
await wixData.query(collectionName).find()
```

# Corvid API Reference

Corvid Reference

Documentation

Search API Library

APIs

- Wix Editor Elements (\$w)
- wix-billing-backend
- wix-bookings
- wix-captcha-backend
- wix-crm
- wix-crm-backend
- wix-data
- wix-dataset
- wix-fetch
- wix-http-functions
- wix-location
- wix-marketing-backend
- wix-paid-plans
- wix-paid-plans-backend
- wix-pay
- wix-pay-backend
- wix-router
- wix-site
- wix-site-backend
- wix-storage
- wix-stores
- wix-stores-backend
- wix-users

Table

Dataset

Users & Contacts

Work with your site's contacts and registered users. These APIs give you controls to identify the current user, log users in and out, create new contacts, send triggered emails, and more.

- wix-users
- wix-users-backend
- wix-crm
- wix-crm-backend

Stores

Combine Store, Pay, and Site Element APIs to extend your

Site Functionality

Get information about your site, including its pages, URL, and sitemap. With these APIs you can direct the browser to a specific URL, get site details like its address and phone number, see what type of device is being used to view a page, and much more.

- wix-window
- wix-site
- wix-location
- wix-fetch
- wix-http-functions
- wix-storage

Bookings

Customize your site's Bookings experience with functions

<http://wix.com/corvid/reference>



# Data and Dynamic Pages

- Create a Database Collection
- Dynamic Pages
- Present Skills on the Screen

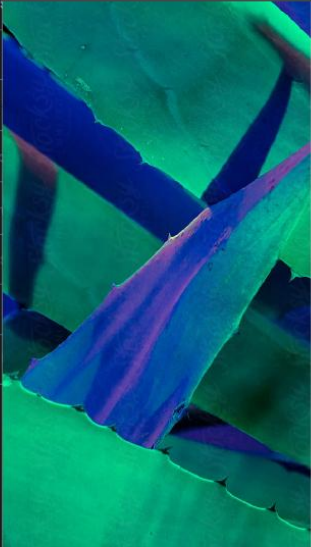
# Data and Dynamic Pages

- **Create a Database Collection**
- Dynamic Pages
- Present Skills on the Screen

# Integrated Database

	Name	Address	Days	Price
1	Roger Cronstedt	459 Gayley Ave	July 5th - 10th	\$900
2	Brandon Chen	753 Dartshire Way	August 4th - 9th	\$950
3	Warren Fields	12 Palazzo Drive	August 4th - 12th	\$900

4	Kevin
5	Roger
6	Roger
7	Brandon
8	Warren
9	Kevin
10	Roger
11	Emily



## Wild Life

Urban Photography

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Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five c

# Wix Data Field Types

Text

URL

Number

Boolean

Image

Date&Time

Address

Rich Text

Document

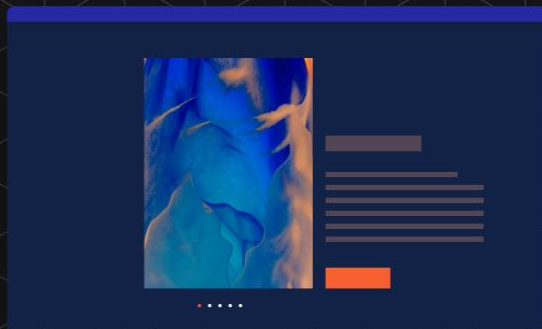
Audio

# Data and Dynamic Pages

- Create a Database Collection
- **Dynamic Pages**
- **Present Skills on the Screen**

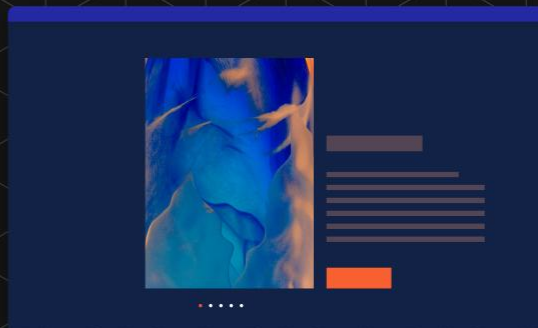
# Connect Data to UI Components

	Name	Guide	
1	Ski	Holly Peters	D
2	Snowboard	Dane Rickles	D
3	Husky Ride	Shara Thomas	O
4	Snowshoe Trek	85 12th Street	S
5	Kid's	85 12th Street	S
6	Forest Hike	15223 Memory Lane	S



# Dataset

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# Integrations

- Wix Fetch
- Backend Code & NPM!
- Call Backend Code on the UI



# Integrations

- **Wix Fetch**
- Backend Code & NPM!
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# Wix Fetch

Reach an external API

```
fetch(url, requestOptions)
```

# Integrations

- Wix Fetch
- **Backend Code & NPM!**
- Call Backend Code on the UI

# Backend Code!

- JavaScript web modules
- NPM Modules



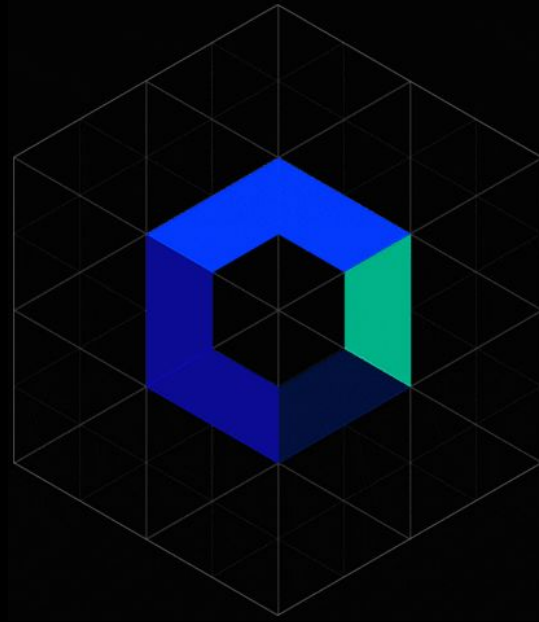
# Integrations

- Wix Fetch
- Backend Code & NPM!
- **Call Backend Code on the UI**

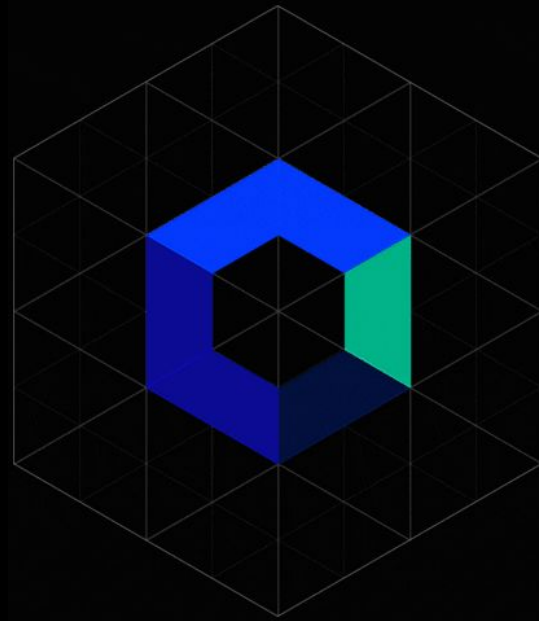
# Access Backend Functions

```
Import {myFunction} from 'backend/code'
```

# Let's Publish!!!



# And you're ready to fly!





# Thank You!



**Meredith Hassett**



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