

# Data Science Portfolio

DSC90, Winter 2020

Colin Jemmott

# Why a portfolio?

- Show, don't tell
- Networking
- The experience problem



**Jordan**

@jordan\_stratton



ENTRY LEVEL JOB OPENING:

Hiring recent college grads

REQUIREMENTS:

5 years of experience, 6 Olympic gold medals, and superpowers.

# Jacqueline Nolis

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*I want to hear about a project they've worked on recently. I ask them about how the project started, how they determined it was worth time and effort, their process, and their results. I also ask them about what they learned from the project. I gain a lot from answers to this question: if they can tell a narrative, how the problem related to the bigger picture, and how they tackled the hard work of doing something.*

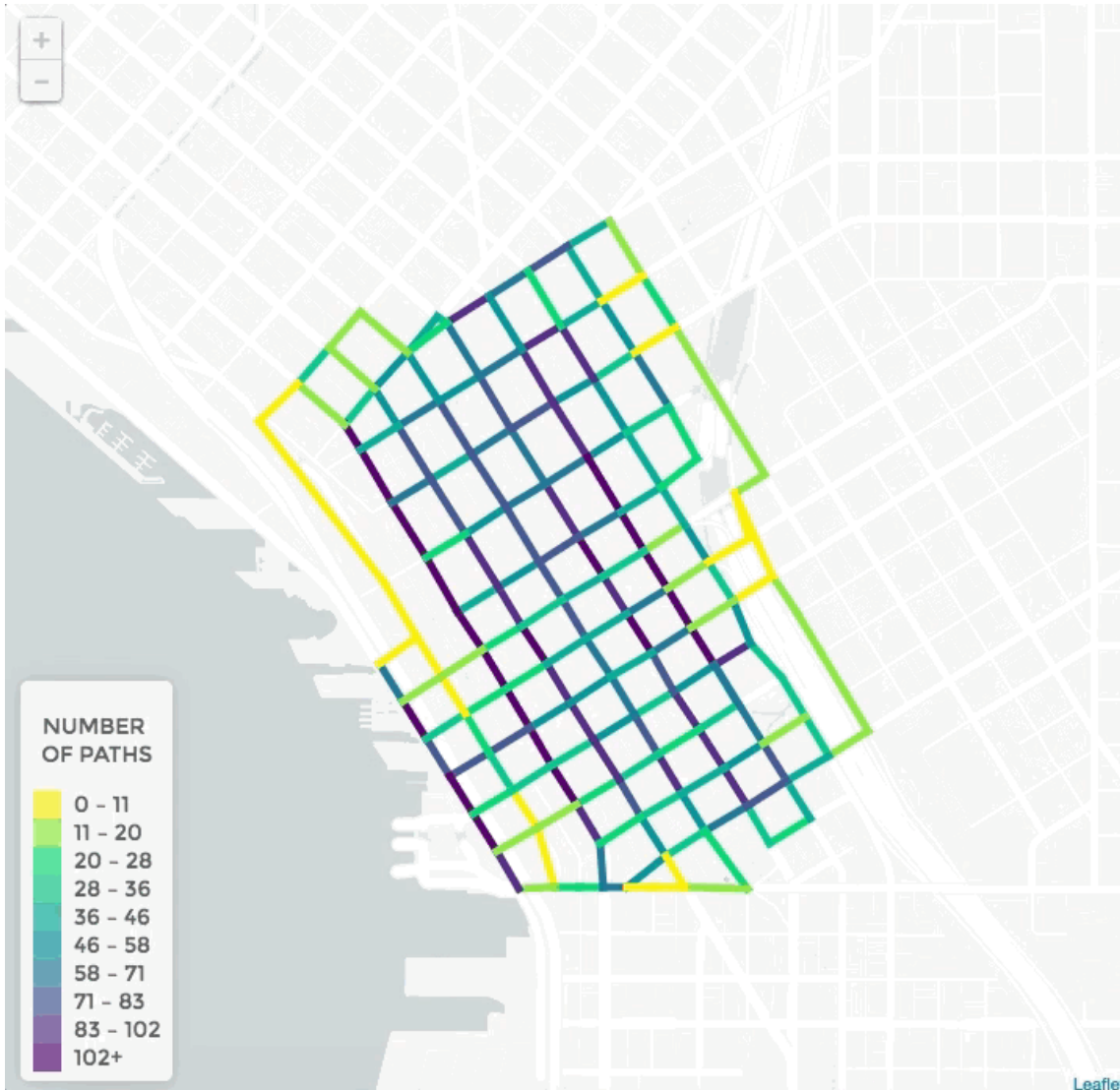




# William Chen

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*I love projects where people show that they are interested in data in a way that goes beyond homework assignments. Any sort of class final project where you explore an interesting dataset and find interesting results... Put effort into the writeup... I really like seeing really good writeups where people find interesting and novel things...have some visualizations and share their work.*



## CRUISING IN DOWNTOWN SEATTLE

As part of The Data Science for Social Good Program at The University of Washington, the Traffic Cruising Team has produced a heatmap to identify cruising in the downtown Seattle area.

### SELECT TYPE OF CRUISING

PARKING

FOR HIRE VEHICLES

### SELECT DAY

MON

TUE

WED

THR

FRI

SAT

SUN

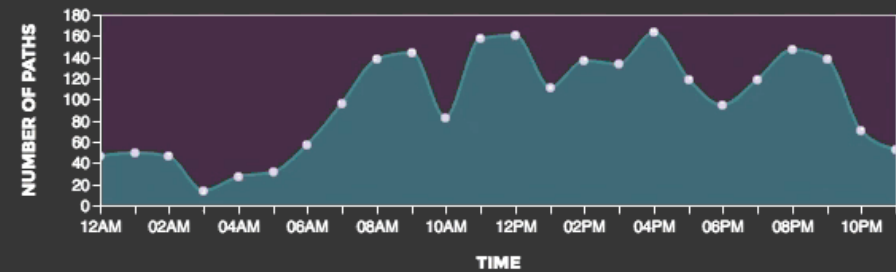
### SELECT TIME

ALL DAY

MORNING

MIDDAY

EVENING



# Have a professional online presence

Github

LinkedIn

Medium

Twitter

Kaggle

Tableau  
Public

Independent  
website



# Scott Cole

personal webpage

[Home](#)[Blog](#)[Burritos of San Diego](#)[CV](#)[Data projects](#)

I'm a PhD student studying [neuroscience at UC San Diego](#) and working in the [Voytek lab](#) studying brain rhythms. Specifically, I am working on a new analysis framework to extract more information from neural signals by parametrizing the waveform shapes of the brain rhythms. You can learn more about this in our recent [review](#) and [methods paper](#).

Otherwise, my main passion is in uncovering trends in data. Though I hope I'll be able to apply these skills to improving public good in the future, you can [see a list of my projects here](#) ranging from burritos to text mining to police misconduct ([CV](#), [resume](#)).



Search or jump to...



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# Scott Cole

srcole

Neuroscience PhD student & Data  
scientist

[Overview](#)

[Repositories](#) 27

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## Popular repositories

[binder\\_emd](#)

Empirical mode decomposition tutorial

 Jupyter Notebook  11  1

[qwm](#)

Miscellaneous code re  
purposes

 Jupyter Notebook

[fxml](#)

Machine learning algorithms for Forex trading

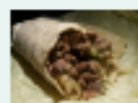
 Python  6

[burritos](#)

Analysis of burritos ac

 Jupyter Notebook

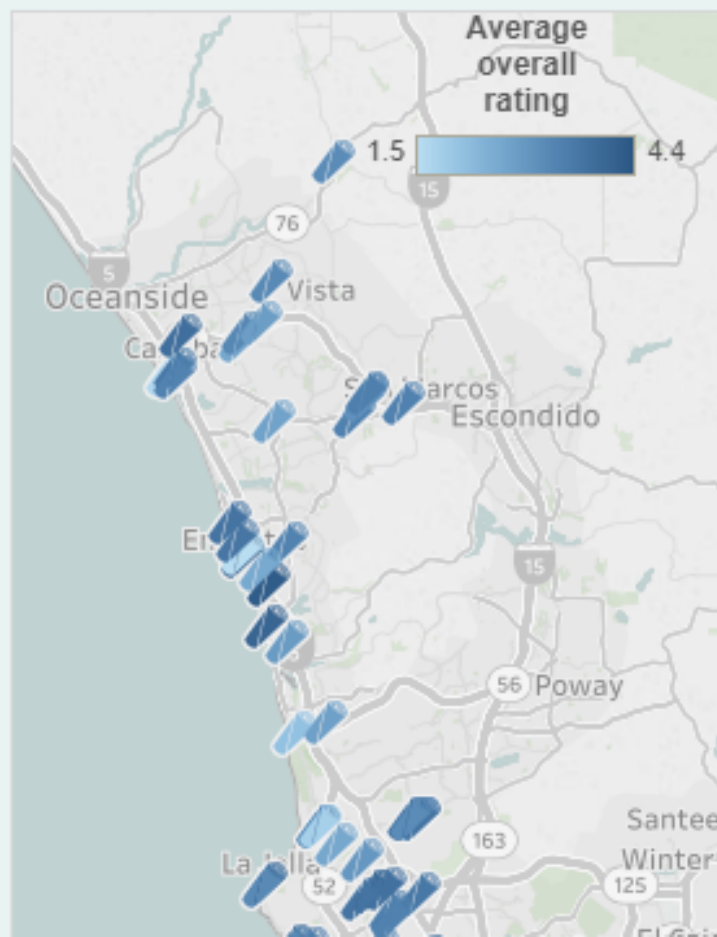




## San Diego Burrito Ratings



350 burritos were rated at 77 taco shops across San Diego using the 10 official burrito dimensions (for more information, go to <https://scolegithub.io/100burritos>). Use the sliders on the right to filter the map and locate burritos based on your standards.



Click a burrito on the map to see the details of that restaurant below.

### Restaurant information

### Neighborhood

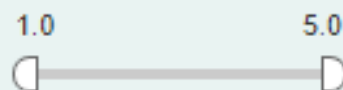
(All)

This visualization was based on a template by Will Griffiths, @wilsooon

### Overall rating



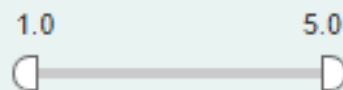
### Tortilla quality



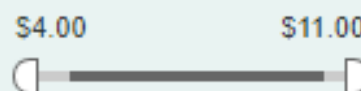
### Yelp rating



### Temperature



### Cost



### Meat quality



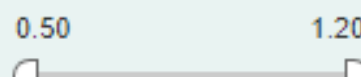
### # burritos rated



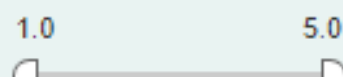
### Nonmeat quality



### Volume (liters)



### Meat-to-filling ratio





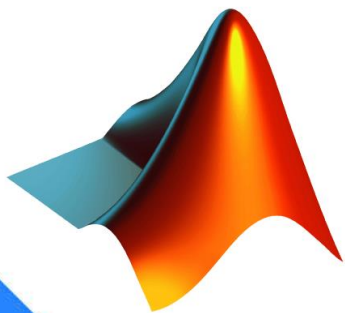
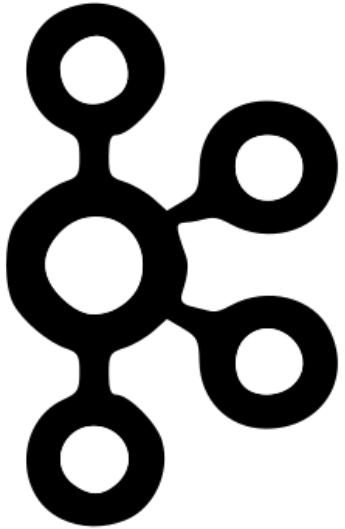
## Data Science Renee

@BecomingDataSci

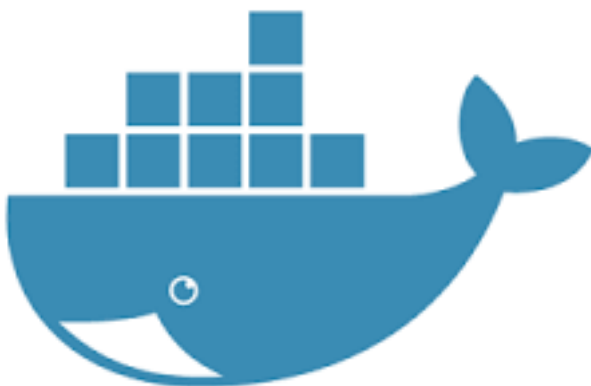
Director of Data Science at [@HelioCampus](#) || Becoming a Data Scientist Podcast ||  
[@DataSciGuide](#) [@NewDataSciJobs](#) || [@paix120](#) || Opinions aren't views of employer

📍 Harrisonburg, VA 🔗 [becomingadatascientist.com](#) 📅 Joined February 2014

Knowing that someone gave you an assignment, you used tools taught in class, & you presented one result, isn't that impressive, even if the result was good. If that's the only kind of project you've done, consider re-doing it later with different tools and techniques, & comparing. Or, using the same tools & techniques on a raw dataset you found online, that wasn't given to you by an instructor because they knew it was "clean", and what the outcome should be.



Skills



ArcGIS



# ~~Skills~~ Concepts

- Querying: SQL
- Web Visualization: d3.js
- Cloud: AWS
- Exploration: Tableau
- Collaborate: github
- Machine Learning: sklearn
- Anything weird: google for the python package

Recommendations are Colin's perception of the best / easiest / most fun tool in 2019, but these things change fast, and he is wrong almost all the time.

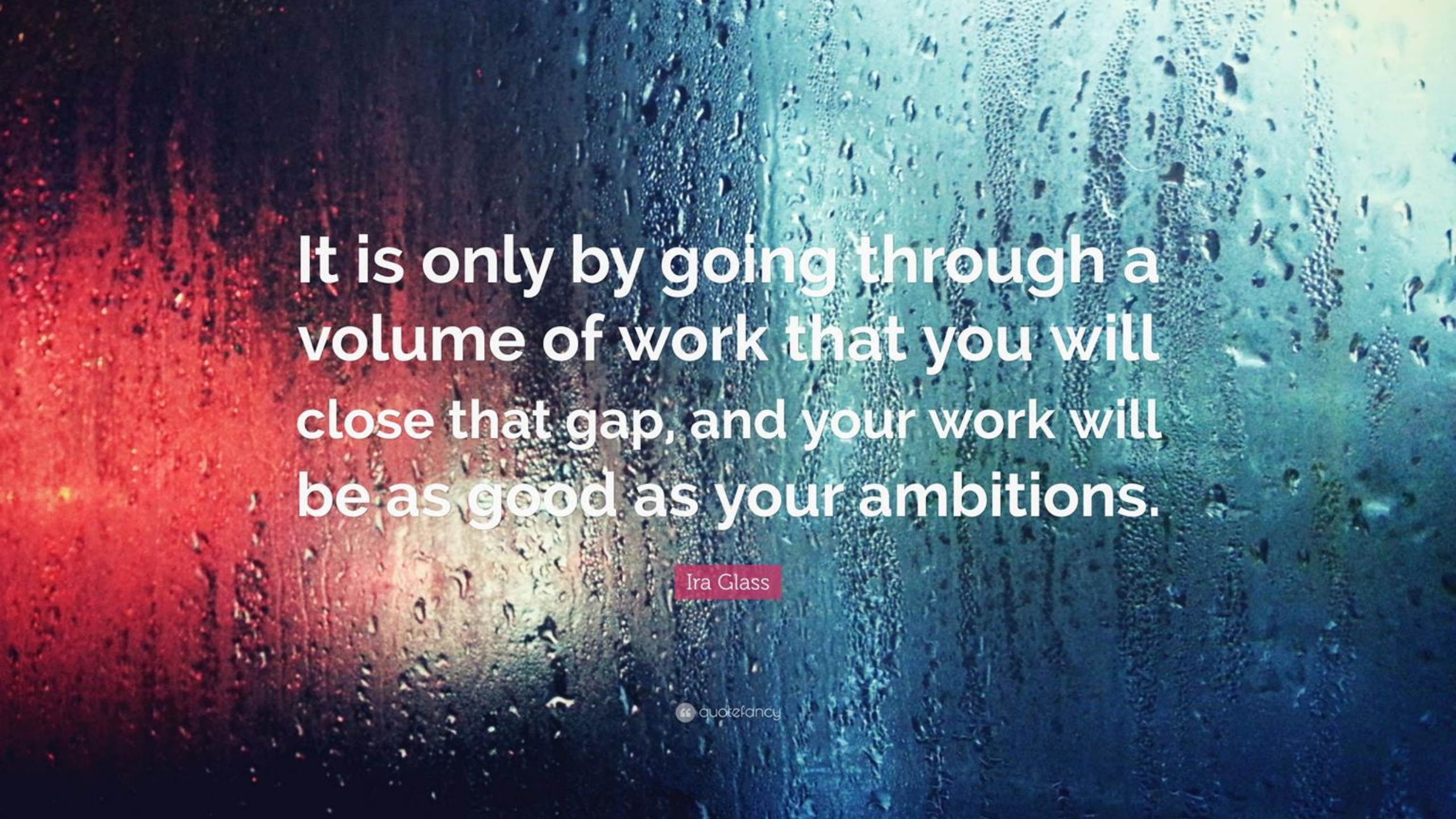
# How to get started

1. Don't wait to get started.
2. Steal
3. Build what you want to see in the world

## The Secret:

Do good work and share it with people





It is only by going through a  
volume of work that you will  
close that gap, and your work will  
be as good as your ambitions.

Ira Glass



## Stretch Goal

**Contribute to an open source project.**

*“If I was interviewing someone and found out they had a pull request accepted for code we use, I would hire them on the spot.”*

- Ben Taylor, Chief AI Officer at ZIFF