

# David Omar Flores Chávez

FRONT-END DEVELOPER · DATA VISUALIZATION ENGINEER

☎ (+52 1) 55-4963-9038 | ✉ david@davidomar.com | 🏠 davidomar.com/ | 📱 davidomarf | 🌐 davidomarfch

«Until you value yourself, you will not value your time.  
Until you value your time, you will not do anything with it.»  
— Morgan Scott Peck

## Education

### ESCOM (Escuela Superior de Cómputo)

B.E. IN COMPUTER SYSTEMS

Mexico City, Mexico

Aug. 2016 - PRESENT

## Experience

### Last.fm Stats

Mexico City, Mexico

INTERACTIVE VISUALIZATIONS CREATED FROM THE LISTENING HISTORY OF ANY USER IN LAST.FM

REACT | D3.JS | APIS | DATA VISUALIZATION

Jun 2019 - Present

APP: [LASTFMSTATS.HEROKUAPP.COM](#) | GITHUB: [DAVIDOMARF/LASTFM](#)

- Make asynchronous calls to Last.fm API to build a dataset containing all the *scrobble* history from the user
- Clean data to remove falsy *scrobble*s (those with a duration of milliseconds or cloned ones)
- Clean data to reflect the listening activity using the current timezone
- Visualize the daily activity with heatmap for the last year
- Visualize the weekly activity with a heatmap for the last year
- Visualizations are interactive and show the most listened artist in the visualized period

### Generative Mistakes

Mexico City, Mexico

COLLECTION OF TEXTS AND PROJECTS TO EXPLORE GENERATIVE ART AND PROCEDURAL GENERATION

GATSBYJS | D3.JS | P5.JS | DATA VISUALIZATION

Mar. 2018 - Present

WEBSITE: [GEN.DAVIDOMAR.COM](#)

- Algorithms consist mostly on the production of data using mathematical functions that are later visualized in creative ways
- Visualizations created with **P5.js** and **D3.js**

### Attractor Seeder

Mexico City, Mexico

WEB TOOL TO EFFICIENTLY CHOOSE ATTRACTOR VALUES

NO FRAMEWORK | P5.JS

Aug. 2019 - Present

- Attractors vary a lot depending of the values you use to build them. For that reason, you usually try multiple combinations of values until you find the ones you like. If you use the same algorithms to select the values and to render the final pieces, you'll not be very prolific. This tool generates as many attractors fit in the screen with a custom quality and size, and lets you copy the values that produce that attractor or directly render it in higher quality.
- Create multiple canvas elements that depend on the size of the screen and the URL parameters
- Each canvas can be modified without affecting the others

## Talks

### Generative Art: A quick introduction to start producing algorithmic visual art

Mexico City, Mexico

PRESENTER FOR <EVENTLOOP: JAVASCRIPT MEETUP FROM CDMX>

Sep. 2019

## Volunteering

### Mexican Red Cross

Mexico City, Mexico

CURRENTLY DEVELOPING THE LANDING PAGE FOR THE SOCIAL VOLUNTEERING TEAM

Oct. 2018 - Present

- Using **GatsbyJS**