

# 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 | HEROKU DEPLOYMENTS

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 *scrobbles* (those with a duration of miliseconds 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 time series for the last year
- Visualizations are interactive and show the most listened artist in the visualized period
- Read more at [davidomar.com/projects/lastfm](https://davidomar.com/projects/lastfm)

### Generative Mistakes

Mexico City, Mexico

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

GATSBYJS | D3.JS | P5.JS | NETLIFY DEPLOYMENTS

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
- Made me get familiar with computational geometry concepts like triangulations, meshes, Voronoi diagrams, hulls, and interpolations
- Visualizations created with P5.js and D3.js

### Attractor Seeder

Mexico City, Mexico

WEB TOOL TO EFFICIENTLY CHOOSE ATTRACTOR VALUES

HTML + VANILLA JS + CSS | P5.JS | GITHUB PAGES

Aug. 2019 - Present

APP: DAVIDOMARF.GITHUB.IO/ATTRACTOR-SEEDER | GITHUB:DAVIDOMARF/ATTRACTOR-SEEDER

- 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 regenerated without affecting the others
- Each canvas can be drawn in another page with higher quality
- Read more at [davidomar.com/projects/attractor-seeder](https://davidomar.com/projects/attractor-seeder)

## Talks

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

Mexico City, Mexico

PRESENTED AT <EVENTLOOP: JAVASCRIPT MEETUP FROM CDMX>

Sep. 2019