

# David Omar Flores Chávez

SOFTWARE DEVELOPER

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## Experience

### Daily Metro System

Sep. 2019 - Present

TWITTER BOT THAT SHARES A GENERATED METRO SYSTEM EVERY DAY

🔗 0 · ★ 1 · 🐦 1

**Clojure** · **Quil** · **Twitter API** · **Spec testing**

- Design the generative algorithms that produce a different metro network in every execution
- Use Markov Chains to generate the station names
- Schedule tweets
- Generatively test for properties using test.check

**Twitter:** @dailyMetroSys · **Repository:** davidomarf/daily-metro-system

### Attractor Seeder

Aug. 2019 - Present

WEB TOOL TO ASSIST GENERATIVE ARTISTS INTERESTED IN RENDERING ATTRACTORS

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**HTML** · **CSS** · **Vanilla JS** · **P5.js**

- Mass-produce attractors to efficiently choose attractor building values
- 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

**Homepage:** davidomarf.github.io/attractor-seeder · **Repository:** davidomarf/attractor-seeder

### Last.fm Stats

Jun 2019 - Present

INTERACTIVE VISUALIZATIONS OF THE LISTENING HABITS FROM LAST.FM USERS

🔗 3 · ★ 2

**React** · **D3.js** · **REST APIs** · **Heroku**

- Fetch scrobbles from Last.fm API and build a dataset.
- Clean data to remove falsy *scrobbles* and fix to current timezone.
- Design interactive D3.js visualizations that reflect listening habits.

**Homepage:** lastfm.davidomar.com · **Repository:** davidomarf/attractor-seeder

## Presentation

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

Mexico City, Mexico

PRESENTED AT **EVENTLOOP: JAVASCRIPT MEETUP FROM MEXICO CITY**

04 Sep. 2019

👤 150 attendees · ⌚ 40 min talk + 20 min Q&A

**Slides:** davidomar.com/talks/eventloop · **Essay:** gen.davidomar.com/intro

## Writing

### Generative Mistakes

Mar. 2018 - Present

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

**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**

## Education

### B.E. in Computer Systems

Mexico City, Mexico

ESCOM (ESCUELA SUPERIOR DE CÓMPUTO)

Aug. 2016 - PRESENT