David Omar **Flores Chávez**

SOFTWARE DEVELOPER

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Experience

Ginpar
Oct. 2019 - Present

CLI STATIC CONTENT GENERATOR FOR GENERATIVE ARTISTS

★ 4

Python · **Jinja2** · **Click**

- Convert P5.js scripts into interactive pages that let you control the script parameters in a GUI.
- Templating engine to generate the GUI using a user-defined list of parameters.
- Generate buttons for value randomization, sketch regeneration, and image download with seeding information.
- CLI commands to initialize projects and sketches; build projects, and start a live reloading server.

PyPi: pypi.org/project/ginpar · **Repository**: davidomarf/ginpar · **Docs**: ginpar.readthedocs.io · **Example**: ginpar-quickstart.netlify.com

Attractor Seeder
Aug. 2019 - Present

WEB TOOL TO ASSIST GENERATIVE ARTISTS INTERESTED IN RENDERING ATTRACTORS

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 · ★ 3

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: lastfmstats.herokuapp.com/ · **Repository**: davidomarf/lastfm

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: davidomarf.github.io/presentations

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 that is 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
2016 - 2018

ESCOM (ESCUELA SUPERIOR DE CÓMPUTO)
INCOMPLETE. WON'T CONTINUE