

Ivan Monroy López

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Based in: Mexico City

Code samples

Openbaar Schrijver (2010)

Python scripts developed for a paper publication. They make use of the Odfpy API to generate ODT documents.

<https://repo.or.cz/opsc.git>

<http://blog.osp.kitchen/works/valentine-scripting.html>

Verbindingen / Jonctions 13 (2012)

Via the Python APIs of Scribus and FontForge, we managed to produce 50 different posters for the Verbindingen / Jonctions 13 festival. The theme of the festival was “Prototypes for transmission”. We found visual correspondences between some of our Python-generated font families, and some ideas about “transmission”.

<https://repo.or.cz/pyff3.git>

http://gallery3.constantvzw.org/index.php/V-J13-5/IMG_2366

Recursive dependencies of aptitude (2014)

This is a possible D3.js graph for the recursive dependencies of aptitude package on some Debian derivative circa March 2014.

<https://repo.or.cz/somegraph.git>

<https://observablehq.com/@coding-exercise/hierarchical-edge-bundling>

Luigi pipeline for public procurement data (2016)

An NGO was interested in the public procurement processes of México. The Luigi Python module allows us to keep a regularly-updated PostgreSQL mirror of the available data. Once ingested, it's easy to see that the data could use normalization. Among other things, there's brokenness in the primary keys of the data that's released to the public.

https://repo.or.cz/luigi_pipeline.git

Client-side stopwatch (2017)

Already a couple of recruiters have asked for a “client-side stopwatch app”. This is one of the React.js single-page apps that I've written for them.

<https://repo.or.cz/stopwatch.git>

Skills

I have worked as a programmer in collaboration with designers, entrepreneurs, and journalists since at least 2008.

Some of the technologies that we have used include the following: Perl, Python, PHP, Node.js, React.js, Debian, Gentoo, Docker, AWS, Git, etc.

I use **Free Software** whenever possible. Most of my text-editing happens in Vim.

Education

MA Media Design (2008)

Piet Zwart Institute, Willem de Kooning Academy, Hogeschool Rotterdam

Licenciatura, BSc – Mathematics (2003)

Facultad de Ciencias, Universidad Nacional Autónoma de México

Selected Activities

Cimatics Festival

A Brussels-based media festival. For its 2009 graphic identity, the Open Source Publishing office developed a custom family of fonts. The project involved research about Unicode.

<http://ospublish.constantvzw.org/foundry/cimatics/>

FLOSS+Art

A book about “the growing relationship between Free Software ideology, open content and digital art”. I contributed an essay.

<https://www.amazon.com/FLOSS-Art-Aymeric-Mansoux/dp/1906496188>

Media Democracy Fund Public Interest Technology Fellow

As a Media Democracy Fund Technology Exchange Staffer, I was assigned in 2019 to an NGO that works on issues of privacy, and data protection. It was my first not entirely technical role. My responsibilities included technical consultancy for privacy lawyers, and technical writing.

Open Source Publishing

A graphic design office that works solely with Free Software. My responsibilities included Python scripting. The timeline of this collaboration is 2007–2012.

<http://osp.kitchen>

Piksel

Piksel is “an international event for artists and developers working with Free/Libre and Open Source technologies in artistic practice.” In 2008, I contributed a talk about Groff typesetting.

<https://web.archive.org/web/20101119150932/http://piksel08.piksel.no>

Verbindingen/Jonctions

A “bi-annual multi-disciplinary festival” in Belgium. In 2009, I contributed a talk about software documentation, and co-organized a workshop about Unicode. In 2011, I contributed some software about i18n, and co-designed the festival’s poster.

<http://constantvzw.org/site/-Verbindingen-Jonctions,37-.html>