
NICHOLAS DOIRON

EXPERIENCE

WEB DEVELOPER, MUSEUM OF MODERN ART, NY – SPRING 2014-PRESENT

Full-stack Ruby on Rails code for MoMA's mobile website, apps, and multimedia

Pair programming with MoMA developers, designers, and engineers from Pivotal Labs

Built a Raspberry Pi-based device to display images in a children's exhibit

SOFTWARE ENGINEER, CIVIS ANALYTICS, CHICAGO – FALL 2013-JUN 2014

Ruby on Rails for a data science platform, including interactive visualizations.

Test-driven development using Rspec, Capybara, Travis CI, and code reviews.

GIS FELLOW, CITY OF BOSTON – SUMMER 2013

Deployed open source apps to provide information on voting, public safety, and startups

Created full-screen map for homepage of Boston Redevelopment Authority us

WEB DEVELOPER, DATAMADE, CHICAGO – SPRING 2013

Collaborated with civic activists to visualize public health and transportation data

CODE FOR AMERICA FELLOW, SAN FRANCISCO, CA – 2012

Collaborated with local governments on housing, disaster response, and transit apps

Released public data on neighborhood level for community groups to show their impact

GEOSPATIAL INTERN, ESRI, REDLANDS, CA – SUMMER 2011

Experimental GIS maps with rare languages, social media visualization, and HTML5 video

TRAVELING TEACHER / DEVELOPER, ONE LAPTOP PER CHILD – 2010-2013

Developed new math, science, geography, and language-learning activities in Python

Produced multilingual content for schools in Uruguay, Haiti, and the Marshall Islands

SKILLS

In web development

JavaScript, both front-end and Node.js, including Express, Angular.js, and CoffeeScript

HTML5, responsive CSS and pre-processors including SASS, i18n / l10n

Ruby on Rails, Python (using Flask or AppEngine), Go

PostgreSQL, MySQL, MongoDB, and Neo4j (graph database)

In cartography

Building custom, data-driven maps with OpenStreetMap, Leaflet, TileMill, MapBox

Interacting with the Google Maps API, ArcGIS JS API, Bing Maps API, and D3 geo