Chris Henrick

Web Developer, Cartographer, Data Wrangler
San Francisco, CA
908-268-9605
clhenrick.io
chrishenrick@gmail.com

Chris Henrick is a San Francisco based web developer and cartographer. He most recently worked for Stamen Design as a Design Technologist building web applications that utilized interactive maps, Geospatial Information Systems, and data visualization. He holds an MFA in Design and Technology from Parsons School of Design and a BA in Geography and Urban Studies from Temple University. His MFA thesis was a web app he conceptualized and coded called *Am I Rent Stabilized?* that seeks to solve the problem of NYC landlords lying to tenants about rent-stabilization and illegally deregulating rent-stabilized apartments.

Professional Experience

GreenInfo Network

February, 2017 - Present
Oakland, CA

- Full stack web developer with GreenInfo Network specializing in building web applications that utilize geo-visualization with open source GIS and web-mapping software, Javascript, Python, SQL, and PHP.
- Coordinate with a team of GIS specialists, cartographers, designers, and project managers to produce responsive web applications for clients primarily working in the non-profit, NGO, and government sectors.
- Assisting Google with creating curated "Voyager" content for their relaunch of Google Earth in April of 2017.

Stamen Design

March, 2016 - December, 2016
San Francisco, CA
One part data wrangler, one part cartographer, and several parts web developer for Stamen Design.

- Prototyped, built, and polished highly customized web applications with technologies such as AWS, Heroku, NodeJS, React, Redux, Leaflet, CARTO, and D3JS.
- Developed web basemap styles such as Terrain Classic using data from OpenStreetMap and technologies such as PostGIS, CartoCSS, and Mapnik.

Radish Lab

May, 2015 - April 2016
Brooklyn, NY
Developed interactive data-visualizations and professionally designed web sites for Radish Lab, a web and graphic design studio that works with non-profits and cultural institutions such as MAS.

- Duties included agile front-end web-development using modern web technologies such as jQuery, NodeJS, D3JS, Wordpress, CARTO, and Github.

Chris Henrick Cartography

June, 2010 - April, 2016
San Francisco, CA
Chris Henrick has consulted for a diverse range of clients in web development, print cartography, and geospatial data analysis.

- Selected works demonstrate expertise in creating custom web applications, wrangling data, spatial analysis with open-source GIS software, and producing professional cartographic and map related products for both print and the web.
- Previous clients include Rebecca Solnit, Pratt's Spatial Analysis and Visualization Initiative, The Skyscraper Museum, and The Oakland Museum of California.

CARTO

March, 2014 - October, 2014

New York, NY

Developed, tested, and supported customers of CARTO, a software as service platform for geospatial data visualization and analytics.

- Contributed to developing CARTO's internal geocoder using PostgreSQL, PL/pgSQL, PostGIS and open administrative geospatial data.
- Prototyped visualizations with and documented Odyssey.JS, an open-source javascript library for telling stories with maps.
- Recorded video tutorials for and held in person workshops on educating users about the CARTO platform.
- Wrote technical documentation on the CARTO platform, Javascript library, and APIs.

Avalon Travel Publishing

February, 2012 - May, 2013

Berkeley, CA

Performed cartographic design for Avalon Travel Books's printed and ebook travel guide series, including titles such as Moon Handbooks, Rick Steve's, and Let's Go.

- Sourced, analyzed, & processed open geospatial data to create professional quality cartographic products.
- Edited and created up to 60 maps per book that conformed to Avalon's brand, cartographic style, and layout standards.
- Designed and implemented a practical workflow for incorporating GIS data into map production through the use of MAPublisher, QGIS, and other open-source tools.
- Wrote Javascript to automate tasks in Adobe Illustrator with the Scriptographer plug-in.

GreenInfo Network

Summer, 2010 and Spring, 2011

San Francisco, CA

Engaged in GIS analysis and cartographic design for GreenInfo Nework, a non-profit that specializes in providing professional GIS and mapping services to public interest groups and governmental organizations.

- Executed a historic & current habitat suitability analysis of the Black-Backed Woodpecker for the John Muir Foundation utilizing model builder with USGS Landfire, Land Cover, and public lands data.
- Utilized Arc Map 9.x / 10.x to assist in the production of confidential priority acquisition area series maps for Save the Redwoods League.
- Created 3 offset CMYK print maps for Sustainable Conservation's Partners in Restoration Program using ArcGIS and Adobe Illustrator.

Volunteer Experience

Maptime

January, 2013 - June, 2016

New York, NY

Assisted with organizing and hosting the Maptime New York City chapter. Maptime's goal is to create a welcoming space for non-experts to learn about GIS, cartography, and web development.

Education

Parsons, The New School For Design

New York, NY

- MFA Thesis: Am I Rent Stabilized?, an interactive web-app about rent-stabilization in New York City.
- Areas of focus in MFA DT included interactive web-mapping, data-visualization, front-end web development, user experience design, game design, interactive narrative, open-source GIS, and creative coding.

U.C. Berkeley Extension

San Francisco, CA

- Areas of concentration include graphic design and typography.

Temple University

Philadelphia, PA

Graduated Magna Cum Laude.

- Member of Gamma Theta Upsilon, National Honors Society for Geography.

- Recipient of the Henry N. Michael Prize in Geography and Urban Studies.

University of the Arts

Philadelphia, PA

Computer Skills

- Programming proficiency in Javascript, Python, SQL
- Version control with Git and Github
- CLI: bash, tmux
- Front end web development with React, Redux, Sass, Gulp, and Webpack
- Data visualization using D3JS and Processing
- Interactive mapping with Leaflet, CARTO.JS, Mapbox.JS
- Cloud Computing with Heroku, Digital Ocean, AWS
- Backend web development with Node JS and Express
- Database management with PostgreSQL
- Geospatial Information Systems with QGIS, PostGIS, GDAL, ESRI ArcGIS
- Web cartographic design with TileMill / Mapnik, CartoCSS
- Adobe Software: Illustrator, Photoshop, and InDesign
- MAPublisher (GIS & Cartography plug-in for Adobe Illustrator)