

# Margeaux Spring

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## Profile

I'm a software developer who loves iOS Development, Alexa Skills, Web Application Development, Website Production, CSS Animation, Web Graphics, data collection, visualization and management, Hackathon planning/production, who has grassroots community organization and leadership skills via [Civic Data Alliance](#). I'm a GitHub maintainer of [Data for Democracy](#). I serve as Thought Diversity lead and maintainer for the Global Data Ethics Project, a Linux Foundation Project.

11+ years of client management experience. I was also 3rd place winner of Startup Weekend Louisville, Oct 2015 - artiFACTS App

## IoT

Alexa, Electron apps

## Languages

Python, Ruby, nodejs, JavaScript, Swift, PHP, HTML5, CSS3, web3 (decentralized web)

## Frameworks/Tools

Netlify, Jekyll, Vue, Solid, Rails, Django, Vapor, Perfect, Angular, jQuery, d3.js, Docker, Sass, git, GitHub, GitLab, Vagrant, Heroku, Digital Ocean, GitHub Pages, npm, grunt, gulp, WordPress, X-Code, AWS, AWS Lambda, AWS s3, Alexa Hospitality console, Bootstrap, Foundation, CSS Grid

## Databases

mSQL, DynamoDB, Postgres, Neo4j, Firebase

## Organizational Tools

Atlasssian Products, Bamboo, Jira, Stash, Slack, Asana, Basecamp, Campfire, Zapier, Hootsuite, Buffer, SproutSocial, IFTTT, ConstantContact, GetResponse, ActiveCampaign, MailChimp, Typeform

## Professional Development

**OSI (Open Source Institute) Member:** 2019- present

**OWASP Louisville Chapter founder:** 2018- present OWASP Foundation is the source for developers and technologists to secure the web.

**Data for Democracy:** 2016-present: Github lead, D4D website, Global Data Science Code of Ethics, Thought Diversity Lead, community organizer and ambassador

**Civic Data Alliance:** 2015-present: Community Advocate, Core Member, Software Engineer, Open Data Portal Contributor, 311 Louisville Contributor

**Code Louisville Mentor:** 2016-present: Swift, Full Stack JavaScript, Front End Web Development, Ruby/Rails, Python

## Press

**Texas Freedom Colonies Selects Louisville Data Team- Aug 2020**

Scholar, writer, and professor at Texas A&M, Dr. Andrea Roberts, has selected the Root Cause Research Center and Civic Data Alliance to support and develop the next stage of the Texas

Freedom Colonies Project ([www.thetexasfreedomcoloniesproject.com](http://www.thetexasfreedomcoloniesproject.com)). The project is sponsored by the National Trust for Historic Preservation through The African American Cultural Heritage Action Fund. Link to more info about the fund here: <https://savingplaces.org/african-american-cultural-heritage>

[\*\*Bloomberg Tech: Why We Need Community-Driven Tech Ethics: Two Years of the Global Data Ethics Project\*\*](#)

[\*\*CNet: How a Kentucky city connects to the CNET Smart Apartment\*\*](#)

[\*\*CNET: Bright Lights, Smart City\*\*](#)

[\*\*United Nations: Data for Democracy Wins Unite Ideas #IDTECT Data Challenge to Monitor Worldwide Patterns of Internal Displacement\*\*](#)

[\*\*GovTech: Louisville Leverages Crowdsourcing for Civic Good\*\*](#)

[\*\*Cities count on civic hackers to get the data to the people\*\*](#)

## Projects

### [\*\*Texas Freedom Colonies\*\*](#)

Lend technical expertise to develop best practices for cemetery registry; an intuitive mobile field instrument for community site assessment, intake, and referral; a strategic plan to upgrade The Texas Freedom Colonies Atlas; instructional/tutorial media assets; Add updated justice-centered data policies.

### [\*\*Atria Senior Living\*\*](#)

Build, maintain, deploy the main codebase, custom components and satellite websites for the company and clients. Build custom touch screen apps, Alexa apps, iOS apps

### [\*\*Smoketown Louisville\*\*](#)

Build, design, maintain, deploy the main site codebase, for the Smoketown Neighborhood Association

### [\*\*Atomic Contracting\*\*](#)

Build, design, maintain, deploy the main site codebase, write copy for Atomic Contracting

### [\*\*SmartCity Alexa Skills for the City of Louisville\*\*](#)

Helped build and maintain Alexa skills & Alexa Podcasts or the Metro Louisville

### [\*\*American Printing House for the Blind Explorer Project\*\*](#)

Community-driven civic tech project to help make our communities more accessible, inclusive and equitable by adding Points of Interest to OpenStreetMap via the web interface, maps.me, etc.

### [\*\*Feed Louisville\*\*](#)

<https://github.com/civicdata/feedlouisville>

Community project to address food deserts and food disparity in Louisville, KY  
Food insecurity, through a myriad of avenues, is a very real problem in Louisville.  
6.1% of the population lives in a food desert. 3.9% of children in Louisville have low access to a grocery store (more than one mile).

### **CityVoice**

A Rails based place-based call-in system for gathering and sharing community feedback by dialing or texting 311. Leveraged by the city for the Dixie Highway Project

### **Civic Data Alliance**

Build, maintain, deploy the main codebase, build and collaborate on projects with other community organizations, organize and host hackathons and monthly meetups. Focused on advocating for inclusion, diversity, equity, accessibility, openness, transparency and accountability in government, civic tech and open data. Interested in ethically liberating, improving, gathering, defining, and reporting on public data and the state of civic tech, while fostering an inclusive and diverse civic tech community.

### **GrubScore <https://github.com/cheapwebmonkey/grubscore>**

I used data from the Open Data portal for Metro Louisville to create an app in Ruby and Rails showcasing the restaurant inspection/violation/score data from the portal. The app geolocates any new restaurants that are entered. Also includes CSS animation. The next iteration of this app will include reverse geolocation that comes from the user's device, data and mapping visualizations, using the Google Visualization API.

### **Open Hours: <https://github.com/cheapwebmonkey/openhours>**

Open source Ruby and Rails app deployed via Heroku that allows the local hackerspaces, to list when someone is in the space, so that non-members can come work on their projects.

### **Improv Comedy Clubs: Miami, FT Lauderdale, West Palm Beach, Louisville**

Built and maintained iOS apps and responsive eCommerce sites for this client, including an iOS app to collect signatures. I also did all of their hosting, DNS, digital marketing, from creatives, coding and distribution.

## Experience

### Software Developer

#### *Emerging Technology Team - Atria Senior Living May 2016 to present*

Developer on the Emerging Tech team where I create and build IoT apps, Alexa skills, iOS apps and various flavors of web dev for different projects and stakeholders, while helping transition the company to an Agile environment. Change agent. I lead the change to actual version controlled software leveraging git and Github for the entire engineering department.

#### *Data for Democracy and Civic Data Alliance Jan 2015 to present*

Research & Development, Software Engineering, Community Leadership and Building, marketing, liaising with Government/Elected & Appointed Officials for ethical and open data solutions.

#### *Research & Development - Rivera Group thru February 2016*

I directly handled feature development and bug fixes to Angular/Neo4j application in an Agile environment.

#### *Freelance Software and Web Developer Jan 2009-present*

Directly handled app and web site building and design. Defined architectural and technical parameters and directed site maintenance and improvement.  
Ensured code compatibility with browsers and devices while maintaining up-to-date knowledge of technologies.