

Kate Ray

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Brooklyn, NY

I am a creative programmer, experienced in building all parts of web applications from the UI to backend. I get excited about science, maps, civic data and projects that feel personal.

PROFESSIONAL EXPERIENCE

Senior Engineer, **Experiment.com** (2015-2017)

- Responsible for backend & frontend engineering
- Architected a complex payment flow using Stripe that handled accounting records, email reminder system, managed accounts for NGOs, payouts to international banks
- Built a CMS and feed for scientists' project updates
- Improved workflow for non-technical team members, by studying and building internal tools based on their process
- Transitioned front-end code to React + Redux
- Trained and mentored junior engineers

Team Leader, **Automattic** (2014-2015)

- Led an overhaul of WordPress.com's new user experience
- Managed a team of engineers and designers
- Designed and built a theme editing interface for mobile browsers

Co-founder and CTO, **scroll kit** (2010-2014)

- Built an in-browser webpage design tool used by Smithsonian, Esquire, the WSJ
- Raised funding from the Knight Foundation
- Acquired by Automattic

OTHER PROJECTS

[Bookshelf](#) (2017) — online platform for making book-mixtapes

[Where is Williamsburg?](#) (2016) — mobile app for finding the hipster neighborhoods of every city

[Alongside](#) (2013) — tool to visualize your relationships via Foursquare checkins

[Teach Yourself to Code](#) (2012) — link-sharing site for programming resources

[Web 3.0: a story about the semantic web](#) (2010) — short documentary about the Semantic Web, featuring Tim Berners-Lee, Clay Shirky, others

SKILLS

Technical: JavaScript / React / Redux / D3.js / Node.js / Ruby / Rails / Heroku / Open Street Maps / PHP / WordPress / iOS / Objective-C / React Native / Python / pandas

Product: User research, initial product design & prototyping, planning project timelines and specs, managing a team of programmers and designers

EDUCATION

[Recurse Center](#) (Summer 2017) — self-directed programming retreat

Graduated summa cum laude from NYU 2010, B.A. Psychology & Journalism