

# Julian Boilen

Full stack software engineer in NYC with penchant for design  
julianboilen.com

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## SIDE PROJECTS

- Built a 'street view' of 1940s NYC using digitized Municipal Archives photos of every building in the city at that time. [1940s.nyc](#). (2020)  
*Press:* Frommer's, Time Out, Boing Boing, Brooklyn Paper, Inside Edition
- Developed an interactive data visualization of US Census data about artists in the United States in collaboration with a statistician and an NYC artists' collective studying the value of art school. Exhibited on a wall-mounted iPad for 3 months in the Museum of Arts and Design's *NYC Makers* biennial; accompanied the Brooklyn Museum show *Crossing Brooklyn*. [censusreport.bfamfaphd.com](#) (2014) *Press:* Hyperallergic
- Produced "Posthumans", a one-season podcast on Posthumanism in collaboration with a posthumanist philosopher and field-leading guests (2020) [Link](#)
- Helped launch and grow a low-power FM community radio station in Takoma Park, MD/DC with a custom web application to browse and listen to show archive recordings and playlists and view a programming schedule. (2018, also built initial site in 2011)
- Developed a website for arts and culture grantmakers to learn about the solidarity economy. [art.coop](#) (2021)

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## WORK EXPERIENCE

### FreeWill Co., Senior Software Engineer / Tech Lead

July 2019–present

As an early engineer, I created and implemented software patterns that built a solid foundation for rapid development of new and future estate planning products and expansion to new markets, including: a React-based PDF generator, an abstraction for step-based flows, using Tsoa and OpenAPI to generate RESTful routes and a typed frontend client library, a framework for internationalization and localization, and a screenshot-diffing testing system using Cypress. Raised \$4B+ for charity.

### Squarespace Inc., Senior Software Engineer & Team Lead

July 2018–July 2019

Launched a new team to research, design, and implement features to help businesses with a physical presence manage their online brand across online directory sites like Google Maps. On-boarded new hires and formulated new frontend design patterns in a greenfield project to slow the expansion of the company's monolith while appearing seamless to the end-user. Held regular scrum rituals and one-on-ones.

### Squarespace Inc., Software Engineer

June 2015–July 2018

Deeply involved from the beginning in architecting and building a highly intricate event-sourced custom subscription billing system to accurately bill customers for Squarespace's several products (websites, domains, email, stock imagery) while maintaining a long history of millions of customers in an interminable number of states while producing accurate data for revenue recognition and charging global taxes. Worked full-stack across the whole Squarespace product throughout this time, keeping up with frontend trends. Leveraged microservice architecture, event-sourcing, Spring Boot, PostgreSQL, REST, Kubernetes, React, MongoDB.

### Squarespace Inc., Software Engineering Intern

January–August 2014

Completed projects touching almost all aspects of the product (blog posts, templates, content blocks, account management, support UI, search infrastructure). Executed a careful mass-modification assigning an "owner" to 2 million customer websites with an accompanying interface for users to manage this change.

### Siteworx, LLC., Backend Development Intern

June–August 2013

### Democratic National Committee, Video Team Intern

June–August 2012

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## EDUCATION

### Rochester Institute of Technology, BS in Software Engineering

Graduated 2015

**Summa cum laude**