

Sam Faber-Manning

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SKILLS

Ruby, Rails, JavaScript, jQuery, React, Redux, SQL, Git, HTML5, CSS3, C#

PROJECTS

Spread the Jam (Ruby on Rails, React) | *Full-stack engineer*

[live](#) | [github](#)

Meet-up app for musicians inspired by Tea with Strangers

- Optimized front-end by reducing API responses into a norma Redux store
- Built React components to dynamically load and display events in a single page app
- Adapted UI into a custom theme using SCSS and HTML

In Other Words (JavaScript) | *Front-end engineer*

[live](#) | [github](#)

Interactive thesaurus visualization built from vanilla JavaScript

- Built lightweight physics engine to detect and resolve collisions between word blocks
- Incorporated thesaurus API to fetch and efficiently cache synonyms
- Iteratively designed interface based on user testing

Tailor Swift (Javascript, React, JSFeat) | *Front-end engineer*

[live](#) | [github](#)

Browser tool that takes measurements via webcam to create custom sewing templates

- Integrated computer vision library to process live webcam data
 - Wrote algorithm to trace and measure contiguous lines in edge detection data
 - Dynamically generated SVG image based on measurements
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EXPERIENCE

Freelance Illustrator - *Scribner (2016)*

- Drew comic strips for best selling parenting book, [How to Talk so Little Kids Will Listen](#)
- Designed and optimized digital graphics for print using Photoshop and InDesign

Ford Scholar - *Vassar College (2015-2016)*

- Led visual direction as the artist on a mixed media documentary project
- Created 2D graphics and textures using Photoshop, as well as 3D models using Maya to construct an immersive interpretation of real-world locations

CAAD Fellow at URSI - *Vassar College (2014)*

- Designed 20 interactive physics simulations to align with middle school science common core curriculum
 - Created digital art assets for backgrounds, objects and animated sprites
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EDUCATION

Web Development - *App Academy (spring 2017)*

- Immersive full stack web development course with a <3% acceptance rate

BA Studio Art, Computer Science Minor - *Vassar College (2012 - 2016)*

- GPA 3.5
- Curriculum Highlights: Algorithms, Computational Linguistics, OOP