

# Sam Faber-Manning

CELL (914) 382 - 0391 • E-MAIL [sfmemail@gmail.com](mailto:sfmemail@gmail.com)

PORTFOLIO [samfabermanning.com](http://samfabermanning.com) • GITHUB [samtfm](https://github.com/samtfm)

LINKEDIN [linkedin.com/in/sam-faber-manning](https://linkedin.com/in/sam-faber-manning)

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## SKILLS

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

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## 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 data storage by reducing API responses into a concise 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 a 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
- Collaborated closely with the publisher and authors to make edits and revisions

**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

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## EDUCATION

**Web Development** - *App Academy (spring 2016)*

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

**BA Studio Art** - *Vassar College, 2016*

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