Sam Faber-Manning

CELL (914) 382 - 0391 • **E-MAIL** sfmemail@gmail.com
PORTFOLIO samfabermanning.com • **GITHUB** github.com/samtfm
LINKEDIN linkedin.com/in/sam-faber-manning

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 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

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

---

EDUCATION

Web Development - *App Academy (spring 2017)*
● Immersive full stack web development course with a <3% acceptance rate

BA Studio Art, Computer Science - *Vassar College (2012 - 2016)*
● GPA 3.5
● Curriculum Highlights: Algorithms, Computational Linguistics, OOP