

SAMANTHA BRETOUS

Full Stack Developer

sam@samanthabretous.com

(817) 845-5478

SKILLS

JavaScript • React • Socket.io
Redux • Express • Sequelize
Test Driven Development • Git
PostgreSQL • Electron • Sass
Node • RESTful Web Services
Pair Programming • Webpack

HACKATHONS

The Robin Hood Foundation
Best User Experience
January 2017

Hackster.io Hack the Planet
Planet Saver
December 2016

First Annual C4Q Full Stack
1st Place Winner
October 2016

MD5 National Security
Technology Accelerator
People's Choice Award
October 2016

Hub Culture
**Winner in the SDK
and Identity Category**
September 2016

EDUCATION

Baylor University 2012
BFA Theatre Design and Technology
Cum Laude, GPA: 3.67/4.0

CONNECT



samanthabretous

📍 New York, NY

{sb} samanthabretous.com

TECHNICAL PROJECTS

Up To Date • Scrum Master, Full Stack Developer

[github](#)

Developed a content management tool using Electron, React, Redux, Socket.io, and Sequelize to synchronize and display local files onto a webpage allowing technical instructors to better engage with students.

- Built the desktop counterpart using Electron to acquire native desktop access to watch the instructor's file system.
- Integrated Socket.io to all the file watching API routes to update the web page of local file changes in real time.
- Implemented an anonymous live voting feature to encourage students to ask questions utilizing Socket.io and Electron notifications.
- Adapted client side file architecture to separate state management files from UI files to allow the desktop and web page to share the same state.
- Designed user interface using CSS3 and Radium to incorporate inline styling.
- Created form validation to handle user input errors before invoking an API call.

Set Live • Sole Full Stack Developer

[github](#)

Developed a browser-based game to simulate Set, a matching card game, using React, Redux, Socket.io, and Sequelize.

- Architected data flows, rendering, and data stores using React and Redux frameworks.
- Utilized Socket.io to implement multiplayer functionality for user's to compete in collecting sets.
- Persisted user and game state with PostgreSQL database.
- Combined JSON web tokens into Socket.io for web page access and authorization.

Early Start • Animator, Front End Developer

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

Developed a web platform using React, Redux, and GSAP to provide users with resources to research various New York public school districts.

- Created an UI/UX animated form to encourage children to assist in choosing an educational institution.
- Analyzed best schools based on special skills and attendance scores with data retrieved from Aunt Bertha and NYC OpenData API's.

EXPERIENCE

Coalition For Queens • Long Island City, NY

July 2016 - Present

Access Code Web Development Fellow

- Graduated from a highly competitive Google-funded software engineering program whose graduates have been hired as developers at leading companies such as Blue Apron, Jet, Capital One, and Spotify.
- Completed an intensive 10-month project-based full stack web development curriculum designed by engineers from Vice, Facebook, Yahoo, Artsy, and LinkedIn. Topics included Node, Express, React/Redux, PostgreSQL, Git, TDD, build tools like webpack, data structures, algorithms, and tech principles and culture.

Certified Graphics • New York, NY

January 2014 - April 2016

Lead Estimator

- Restructured a project management system to increase company workflow by 15%.
- Evaluated pricing proposals for clients and ensured team adhered to project timelines.
- Orchestrated projects and illustrated client's needs with the production team.