

Nicholas Cocks

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New York, NY

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

Skills

React, Redux, JavaScript, HTML, CSS, SCSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Adobe Suite Products, Three.js, Quill.js, jBuilder, Webpack, jQuery, Git, Heroku,

Projects

Synthesthesia

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

Canvas API , JavaScript , CSS3 , Web Audio API, Tone.js, Webpack , Adobe Illustrator, Adobe InDesign

Fast Fourier Transform visualizer themed around interactive drawing and music.

- Refined brush strokes by a queue implementation, allowing for quadratic curves to be calculated and rendered for clean, unpixelated angles.
- Constructed detailed frequency analyzer utilizing Web Audio API's native fast fourier transform (FFT), allowed users to pick the scale of the algorithm.
- Implemented advanced debouncing techniques for clean, latency free notes to be played on mouseover events.

NickNote

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

React / Redux , JavaScript , Ruby on Rails , postgresSQL , Quill.js , SCSS , Heroku , Webpack, jBuilder

An elegant, fully functional Evernote clone.

- Built full-stack web application, implemented core CRUD functionality with scalable database queries and expanded search and filtering capabilities.
- Utilized component states for quick selective rendering/filtering of notes.
- Applied customized design and functionality to the react-quill library for smooth user experience in rich text editing with a forgiving and efficient auto-save function.

Experience

Technical Director | October 2018 - July 2020

Caveat Media NYC

- Oversaw, programmed and maintained all venue and live media systems including live streams, venue automation, lighting, sound, projections and recording.
- Managed all line-producers and technicians for incoming productions including festival.
- Ensured smooth, consistent, quality programming and clear lines of communication during fast-paced productions..

Array Installer | July 2017 - February 2018

Bright Power

- Installed high performance solar arrays for low-income housing projects in all five boroughs. Managed all phases of implementation including, design, site prep, banisters, panels and wiring.
- Served as point man between office company design teams and in field PV teams.
- Trusted communicator, responsible for coordinating lifts, harnessing, and spotting peers in intense rooftop work..

Education

App Academy | Winter 2020 | New York, NY

Immersive software development course with focus on full stack web development

SUNY Oswego | Spring 2017 | Oswego, NY

School of Communications, BA in audio engineering,