

Nicholas Cocks

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[Github](#) [LinkedIn](#) [Portfolio](#)

Skills

React
Redux
Node
Express
MongoDB
JavaScript (ES6)
HTML5 / CSS3
SASS
Ruby on Rails
jQuery
SQL
PostgreSQL
Heroku
Webpack
Amazon Web Services (AWS)
Photoshop CC
Illustrator CC

Education

App Academy | 2020
New York, NY

Immersive software development course with focus on full stack web development

SUNY Oswego | 2017
Oswego, NY

School of Communications, BA in audio engineering,

Projects

Synthesia

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

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

A drawing / music app implementing the Fast Fourier Transform.

- 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

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..

Solar Engineer

July 2017 | February 2018

Bright Power

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