

# Nicholas Cocks

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

## Skills

React  
Redux  
Node.js  
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

### NickNote

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

React / Redux , JavaScript , Ruby on Rails , PostgreSQL , CKEditor 5 , SCSS , Node.js., Heroku , Webpack, jBuilder

*An elegant, fully functional Full-Stack Evernote clone.*

- Engineered scalable database queries allowing for easy expansion of searching and filtering capabilities.
- Utilized Redux Framework for integrating backend data with React-Native.
- Developed quick selective rendering/filtering of notes with a forgiving auto-save function.
- Carried out component life cycle architecture, store actions, installing React Router, and Thunk Redux for API calls in React JS

### Synthesia

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

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

*A drawing based synesthetic audio app implementing the Fast Fourier Transform.*

- Implemented vector-based brush strokes using a Javascript queue data structure, allowing for pixel-less, clean graphics to be rendered
- Constructed detailed frequency analyzer utilizing Web Audio API's native fast fourier transform (FFT), allowing users to pick the amount of discrete data points captured.
- Created debouncing pattern handling user input for clean, low-latency notes to be played on mouseover events.

## 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