

MAURICE GOLDBERG

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

React, Redux, Ruby, Rails, C++, Github workflow, SQL, Node, Javascript, HTML, CSS, SQL, TDD, PostgreSQL, Ajax, jQuery, Java, C, Python, Heroku, RSpec, Max/MSP

EDUCATION

B.A. in Computer Science - *Columbia University in the City of New York* | 2013 - 2017

- Coursework in databases, networks, UI design, data structures, computation theory, combinatorics, graph theory, symbolic logic, calculus, linear algebra

Full-Stack Development - *App Academy* | Fall 2019

- 16-week full-stack web development bootcamp with a 3% acceptance rate and 1000+ hours of coding

PROJECTS

SoundShroud (2020) (React, Redux, Rails, Ajax, PostgreSQL)

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

Near pixel-perfect clone of SoundCloud, re-envisioned with a dark mode design scheme

- Built an audio interface that changes responsively with the current track and persists throughout user navigation for easy, efficient music listening
- Engineered full CRUD functionality for audio files, allowing user to upload, listen to, edit, and delete their songs

plantr (2020) (React, Redux, MongoDB, Mongoose, Express, Sendgrid, Node)

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

MERNstack web app that schedules the watering of a user's household plants

- Structured a "garden" page and add/show modals to allow the user to intuitively keep track of their houseplants
- Implemented a sleek and modern design scheme with smooth transitions and a monochromatic color concept

MASHER (2020) (Vanilla JavaScript, Web Audio API)

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

Vanilla JS web app that combines pop songs together in real time

- Constructed synchronized audio playback for multiple .wav files with add, mute, unmute, and solo functionality
- Built a music visualizer where pictures of the user-selected artist change to the beat of the song
- Styled a smooth and stylish user interface that fades artist images in and out in response to user input

ShowDown (2016) (Angular, jQuery, Ajax, Ticketmaster API, Google Maps API)

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

Web app that shows nearby music and comedy events

- Wrote calls to Google Maps and Ticketmaster APIs to provide dynamically updated details of nearby events

Call Your Senators! (2016) (jQuery, Bootstrap, Ajax, Google Civic Information API)

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

Simple interface that finds a user's local, state, and federal government representatives

- Dispatched calls to Google Civic Information API for government representative information based on location

EXPERIENCE

Academic Tutor

Tutor Associates LLC; Big Apple Tutoring

Aug 2017 - Sept 2019

- Tutored middle school and high school students in Java, math, science, humanities, SAT, ACT, ISEE, and SSAT
- Raised ACT scores by up to 12 points, SAT scores by up to 400 points

Network Operations Technician

Columbia University Information Technology

Sept 2015 - May 2017

- Tracked the conditions of Columbia's campus Internet and telecommunication networks using Nagios and Airwave Infrastructure Monitoring software