

# Matthew Tessler

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## Education

**New York University**, May 2018  
College of Arts and Science, 3.1/4.0 GPA  
Bachelor of Arts in Computer Science

### Relevant Coursework

Computer Networks, Large Scale Web Applications  
Applied Internet Technology, iOS Programming  
Operating Systems, Computer Systems Organization  
Data Structures, Basic Algorithms  
User Experience Design  
Interactive Computing

## Technical Skills

### Languages

JavaScript, Python, Java, C, HTML, CSS, Objective-C, Swift

### Systems and Tools

Node.js, Express.js, React.js, Redux, Webpack, Babel, JQuery, Handlebars.js, MongoDB, Heroku, Amazon EC2, Bootstrap, WordPress, UNIX/Linux, Git, Agile

## Projects

*All code and documentation for my projects are available on my website and GitHub profile.*

### Explore Spotify, React + Spotify API

**Personal Project** ([explore-spotify.herokuapp.com](http://explore-spotify.herokuapp.com))

Web app search engine for exploring audio features of tracks on Spotify. Server side with **Node.js**, **Express.js**. Data from **Spotify API**. Compiled with **Webpack** and **Babel**. Front end built with **React.js**, designed with **Bootstrap**. Deployed on **Heroku**.

### Bike NYC, Express + Google Maps API

**School Project** ([bike-nyc.herokuapp.com](http://bike-nyc.herokuapp.com))

Web app for Citi Bike riders to find and save stations. Server side with **Node.js**, **Express.js**, **MongoDB**. Client side with **Handlebars.js**, **Google Maps API**, **Materialize.css**. Deployed on **Heroku**.

## Work Experience

### Freelance Software Developer

Self-Employed for Songtrust

**July 2018 to Present**

Created Spotify Search Bar to expedite flow for estimating song's publishing royalties. Recovered thousands of leads by converting error-prone process of copy-and-pasting a link (1/3 lost!) to effortless search feature. Built with **Spotify API**, **JQuery**, **AJAX**, **Express.js**, and **Heroku**. Search bar is featured front-and-center on [songtrust.com](http://songtrust.com), creating hundreds of leads per day.

### Technical Intern

Stensul

**July 2017 to August 2017**

Coordinated with engineering and sales to streamline generating client usage reports through Stensul's email building platform. Built out web app with **Express.js** server, **Vue.js** client side, and **MongoDB** native driver.

### Python Tutor

NYU Courant Institute

**September 2016 to June 2017**

Guided hundreds of students through fundamental concepts of programming using Python. Acted as a mentor and available expert through planning, building, and debugging assignments, as well as exam review.

### Web Development Intern

Mango Concept

**September 2016 to November 2016**

Collaborated with web developers and UX designers building client websites with **WordPress**. Wrote **HTML** and **CSS** within CMS to develop sections of pages.

### Digital Director

Washington Square News

**September 2015 to May 2016**

Headed digital team in transition to online-first publication on **WordPress**. Capitalized on technology, increased traffic to over 100,000 visitors per month.