

# George Tsimis

347-739-6542 [gt2186@gmail.com](mailto:gt2186@gmail.com) [Portfolio](#) [LinkedIn](#) [Github](#) New York, NY

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## SKILLS

JavaScript, React, Redux, HTML5, CSS3, Ruby, Rails, Mongoose, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, MongoDB

## PROJECTS

**Quitter** | React, Redux, JavaScript, MongoDB, Express.js, Node.js, HTML5, CSS3, Webpack, Heroku [Live Link](#) | [Github Repo](#)

Single-page app that helps users to quit bad habits through statistics and joining groups with other like-minded users

- Took advantage of the Validator.js library to validate user input in the controller before saving things into a MongoDB database in order to prevent saving malformed data
- Capitalized on MongoDB's flexible document schemas to make on the fly database changes during development
- Utilized Plotly library to dynamically graph logs made by users and developed algorithm that provides feedback to gradually stop bad habit

**Self.TV** | React, Redux, Ruby on Rails, HTML5, CSS3, PostgreSQL, AWS, Heroku

[Live Link](#) | [Github Repo](#)

A full-stack, pixel-perfect clone of YouTube

- Integrated Redux with HTML5 media web components to create customized media playback for users
- Employed CSS3 flexbox with z-index and React-Modal for a compelling and flexible layout
- Incorporated Amazon S3's data storage infrastructure to upload and retrieve files, benefiting from its data scalability and capacity, resulting in improved page-load performance.
- Leveraged Rails polymorphic associations with subscriptions, likes and comments on videos for DRY code

**Drum-Simulator** | Vanilla JavaScript, Webpack, HTML5, CSS3, Web Audio API, Canvas API

[Live Link](#) | [Github Repo](#)

Interactive drum simulator where users can produce percussion sounds in a solo mode or along to preloaded drumless tracks

- Used keydown events in JavaScript, with Web Audio API, linked to audio tags in HTML to make sounds when keys on keyboard were pressed
- Used Canvas API to draw balloons of various sizes and be created on each keydown event. Request frame animation method was used to simulate ball movement after creation.

## EXPERIENCE

**Moody's Corporation**, New York, NY

*Financial Technology Consultant*

Apr 2020 – July 2021

- Worked closely with Corporate Tax departments to develop proper strategies and best practices for Moody's data platforms
- Provided training to corporate tax departments new hires to bring them up to speed on Moody's platforms
- Identified weaknesses in Moody's data platforms and worked closely with developers to improve them

*Financial Data Analyst*

July 2018 – Mar 2020

- Ensured accuracy, consistency, and analytical value of a portfolio of 300+ public and private business entities. Liaised with senior analysts to resolve queries for financial data used in ratings process
- Managed and supported offshore team that performed data entry by analyzing their work, making corrections and providing feedback
- Trained new hires on portfolio management, accounting standards used in ratings process, and Moody's based software

**City University of New York**, New York, NY

*Mathematics Adjunct Lecturer*

Aug 2016 – Dec 2017

- Taught undergraduate classes (approx. 35 students) in elementary algebra, college algebra & trigonometry, pre-calculus, and calculus
- Created course syllabi and designed lectures in alignment with CUNY standards to enable students to perform best on departmental exams
- Designed homework problems of varying difficulty to reinforce concepts learned in class.
- Held office hours to meet with students and discuss problematic concepts. Developed study action plans to facilitate better understanding of these concepts

## EDUCATION

**App Academy**

Web development bootcamp with 1000-hour curriculum and < 3% acceptance rate

Nov 2021

**Queens College of the City University of New York**

Master of Arts in Mathematics, B.A. in Accounting, B.A in Mathematics (Honors)

Sept 2021, Sept 2019, June 2016