George Tsimis

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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