Jonathan Brown

Full-Stack Software Engineer

Westbury, NY
516-426-6581
brownjs193@gmail.com

Portfolio

GitHub

LinkedIn

PROJECTS

Tic-Tac-Toe Royale

11/2021 - Present

- Created a full-stack online web game.
- Able to set board size, board color, "win by" condition (amount of pieces in a row required to win) and pieces (upload custom piece capability included).
- Capable of having up to 100 players per board.
- Able to add up to 10 bots per board.
- Client was created with TypeScript React.js, the REST API with Python (Django), and real-time client updates are handled with Socket.IO.
- Try it here: Tic-Tac-Toe Royale.

Analyze This

10/2021 - 11/2021

- Created a full-stack web application that parses strings for signs of mental illness. Results help provide support to the user.
- At the moment it detects signs of suicide, anger, and addiction.
- To analyze strings, I developed an algorithm that works with a large pool of words to find determinants of mental illness.
- Determinant words must be in a certain order to be flagged.
- Analysis results and Google Maps/Places API are used to find the nearest support facilities (rehab, support groups, etc.) and resources.
- Client was created with TypeScript React.js, the REST API with Python (Django), and data is stored and queried from Firestore (NoSQL).
- Try it here: Analyze This

Do or Do Not

08/2021 - 09/2021

- Created a social task-managing full-stack web application.
- Allows you to create, share, edit (drawing and image importing features included), and complete tasks with users on your friends list.
- Includes user authentication, a friends list (received and sent friend requests) and friend alerts (ex. notifying a user when a friend has completed a shared task).
- Client was created with React.js, the REST API with Python (Django), and data is stored and queried from PostgreSQL (NoSQL).
- Try it here: Do or Do Not.

TECHNICAL SKILLS

- Python, Node.js, Django, Flask, SQLAlchemy.
- JavaScript, TypeScript, React.js, AngularJS, Redux.
- Socket.IO
- Bootstrap, Material-UI, CSS, HTML.
- SQL, PostgreSQL, MySQL.
- NoSQL, Firestore.
- Git, GitHub.
- Firebase, Heroku.

CERTIFICATIONS

Data Structures

UC San Diego (Coursera)
06/2021 - 08/2021

Algorithmic Toolbox

UC San Diego (Coursera)
05/2020 - 07/2020

SQL Essential Training

LinkedIn
1/24/2022

EDUCATION

State University of New York at Old Westbury

Old Westbury, NY
01/2011 - 05/2014
B.A. in Psychology

Crane School of Music

01/2010 - 03/2010

EMPLOYMENT

Store Manager, LGX

Garden City, NY
01/2018 - 08/2021