# Jonathan Brown

Full-Stack Software Engineer

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LinkedIn  GitHub

## PROJECTS

### 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).
- Uses Django as the back-end web framework and React.js as the front-end library.
- All data is queried from and stored in a PostgreSQL database using a ReST API developed with Django.
- Try it here: Do or Do Not.

### Love and Pain Experiment
04/2021 - 08/2021
- Created a full-stack web application to process data for an experimental questionnaire.
- The questions, possible answers, and user input are stored in a MySQL database.
- Developed a Flask ReST API used to query and manipulate the data.
- The front-end library used to present the survey is React.js.
- Upon completion, a chart is displayed which is meant to prove a psychological theory.
- Try it here: Love and Pain.

### Discord Utility Bot
10/2020 - 12/2020
- Developed a Discord bot.
- Performs a variety of functions for users such as calling a Lord of the Rings or Star Wars ReST API which returns a random quote.
- The random quote along with the character's name who said it are then placed in a YouTube search to pair its respective movie scene in the response to the user.
- Other functions include but are not limited to playing music per request and remembering user-provided information (stored in a MySQL database).

## TECHNICAL SKILLS

- Python, Django, Flask, SQLAlchemy.
- JavaScript, TypeScript, React.
- Bootstrap, Material-UI, CSS, HTML.
- SQL, PostgreSQL, MySQL.
- 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

## EDUCATION

### State University of New York at Old Westbury
Old Westbury, NY
01/2011 - 05/2014
B.A. in Psychology

### Crane School of Music
01/2011 - 03/2011

## EMPLOYMENT

### Store Manager, LGX
Garden City, NY
01/2018 - 08/2021