

# Jonathan Brown

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## PERSONAL PROJECTS

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### **Do or Do Not.** 08/2021 - 09/2021

Created a social task-managing full-stack web application that 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 is 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 that 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).

## TECHNOLOGIES

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Python, JavaScript, TypeScript, React, Django, Flask, SQLAlchemy, Bootstrap, PostgreSQL, MySQL, Git, GitHub, Firebase, Heroku

## CERTIFICATIONS

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**Data Structures Certificate UC San Diego (Coursera).** 06/2021 - 08/2021

**Algorithmic Toolbox Certificate UC San Diego (Coursera).** 05/2020 - 07/2020

## EDUCATION

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

**Crane School of Music. Focus in Classical Guitar.** 01/2011 - 03/2011

## EMPLOYMENT

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