

# Jonathan Brown

## Software Engineer

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Ambitious, self-starting engineer seeking to launch a career building web applications and services. Familiar with the development and deployment process for many web-based technologies.

### PERSONAL PROJECTS

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

Developed and deployed a social task managing web application that allows you to share, edit, delete, create (drawing and image importing features included) and complete tasks with users on your friends list. Also handles useful social functions such as 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 backend web framework and React.js as the frontend library. All data is queried from and stored in a PostgreSQL database using a ReST API developed with Django. The entire application is publicly hosted: [Do or Do Not](#).

#### **Love and Pain Experiment.** 04/2021 - 08/2021

Developed and deployed a web application to process data for an experimental questionnaire. The questions, possible answers, and user input is stored in a MySQL database. A Python based ReST API queries and manipulates the data. The frontend web app uses React.js to present the survey. Upon completion, a chart is displayed which is meant to prove a psychological theory. The entire application is publicly hosted: [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 (stores memories in a MySQL database).

### TECHNICAL SKILLS

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Python, JavaScript, React.js, Django, Flask, SQLAlchemy, Bootstrap, PostgreSQL, MySQL, Git, GitHub, Heroku, Object-Oriented Programming

### CERTIFICATIONS

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

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

### 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

### **WORK HISTORY**

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Store Manager - LGX. Garden City, NY 01/2018 - 08/2021  
Sales Associate - LGX. Garden City, NY 03/2016 - 01/2018