

# CONNOR MURPHY

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[LinkedIn](#)

[Github](#)

[Portfolio](#)

New York, NY

## SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Python, Mongoose, MongoDB, Node.js, Express.js, SQL, GraphQL, SQLite3, PostgreSQL, Java, Flutter, Dart, Webpack, Websockets, jQuery, Git, Heroku, SCSS, Amazon Web Services (AWS), Firebase, Firestore, RSpec, Capybara, Jasmine, Jest, Data Structures & Algorithms, Test-Driven Development (TDD), Object Oriented Programming (OOP)

## PROJECTS

### **BluTube** - JavaScript, Ruby on Rails, React.js, Redux, PostgreSQL, Heroku, Webpack, AWS S3

[Live Site](#) | [Github](#)

*A video hosting social media platform inspired by YouTube*

- Utilized AWS to allow users to upload videos, thumbnails, and profile pictures, along with HTML5 for media playback
- Employed session storage and BCrypt encryption for persistent user authentication
- Incorporated Rails polymorphic associations with comments and likes on videos and comments

### **RPSkill** - JavaScript, MongoDB, Express.js, React.js, Node.js, Websockets, Heroku

[Live Site](#) | [Github](#)

*A real-time multiplayer gaming platform with an ELO ranking system*

- Collaborated with 2 other Software Engineers, working on both the front-end components and the backend database
- Implemented websockets with Socket.io to let users play each other in real time
- Developed a ranking system utilizing a custom ELO algorithm

### **The Empire Types Back!** - JavaScript, HTML5, Canvas, CSS3, Firestore

[Live Site](#) | [Github](#)

*An Arcade-style game where the player types words that appear above enemy ships to destroy them*

- Built a first-person view complete with an interactive Heads Up Display that scales to the window size
- Incorporated a Firestore Database to store player's scores for a leaderboard
- Developed animation and sound for responsive enemies

### **Flitter** - Flutter, Dart, Firebase, Firestore, Google Cloud Functions, IOS, Android

[Live Site](#) | [Github](#)

*A mobile social media app inspired by Twitter usable on IOS, Android, and on the Web*

- Developed with current Flutter implementations in mind, including null-safety and web support
- Integrates Firebase for authentication, file storage, and Firestore databases
- Applied Google Cloud Functions to ensure the safe handling of data ([functions repo](#))

## EXPERIENCE

### **Technical T.A.**

June 2021 - Present

*App Academy*

New York, NY

- Prepared students for the job search process through mock interviews focused on developing and articulating solutions to complex questions using data structures and algorithms.
- Engaged in one-on-one debugging sessions for student portfolio projects ranging from ideation to deployment.

### **Executive Assistant**

April 2018 - September 2019

*Oppenheimer & Co., Inc.*

Melville, NY

- Designed and maintained individual websites and LinkedIn profiles for Financial Advisors at the branch
- Created and organized a database of potential recruits by researching qualified candidates in the area and served as an intermediary between recruits and Management.

### **Sales Associate**

May 2013 - April 2018

*Brinkmann Hardware & Paint Supply*

Long Island, NY

- Solved 50-100+ unique problems daily by using specialized knowledge to find ideal solutions for customer's specific needs.
- Contributed significantly to the development and opening of 2 new retail locations by helping model floor plans and organizing inventory, as well as setting up Grand Openings, liquidating old location's stock and managing clearance sales.

### **Rowing Coach**

June 2014 - August 2014

*Chaminade High School*

Mineola, NY

- Responsible for developing and instructing on-land training exercises and races for incoming freshmen

## EDUCATION

**Columbia University** - BA - Political Science - Fall 2019 - Intro to CS in Java, Data Analysis & Stats for Political Science Research, Intro to Electrical Engineering, The Digital Information Age

**App Academy** - 2020 - Highly selective 16-week full-time web development program with a 3% acceptance rate.