# CONNOR MURPHY

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## SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Python, Flask, MongoDB, Mongoose, Node.js, Express.js, SQL, GraphQL, SQLite3, PostgreSQL, Sequelize, Java, C#,  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
- Integrated Firebase for authentication, file storage, and Firestore databases
- Applied Google Cloud Functions to ensure the safe handling of data (functions repo)

## EXPERIENCE

*App Academy*                                                                                                          New York, NY
**Technical Career Coach**                                                                          November  2021 - Present
**Software Engineering Assistant**                                                                  June 2021 - November 2021
- Coached 35+ jobseekers simultaneously, creating specialized approaches for each of their job searches by identifying and developing individual opportunities for improvement, ultimately leading to employment as software engineers
- 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.

*Oppenheimer & Co., Inc.*                                                                                           Melville, NY
**Executive Assistant**                                                                              April 2018 - September 2019
- 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.

*Brinkmann Hardware & Paint Supply*                                                                        Long Island, NY
**Sales Associate**                                                                                          May 2013 - April 2018
- 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.

## 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.