

## SKILLS

Ruby, Ruby on Rails, JavaScript, React, Redux, HTML, CSS, SCSS, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku

## EXPERIENCE

[Concept.app](#) | Social-media startup specializing in connecting users through meaningful and authentic connections

Backend engineer | Freelance

January 2021 - Present

- Collaborated with the CEO to build an AI chatbot that gathers user data, and provides users with general information about the platform through authentic conversation using NLU, making the platform feel more authentic and genuine
- Researched conversational user interfaces to apply to the platform, choosing the open-source UI [Botpress](#) that would be best equipped for creating multiple conversation flows determined by the user's input
- Built custom actions and hooks on the Botpress DOM to interact with the React virtual-DOM in the frontend to send users messages based upon the user's individual data
- Created API calls to the Google Firestore Database that creates new Posts using custom variables gathered by the AI, providing a way for users to create posts without having to fill out a form
- Created and assigned new tasks on Clickup to implement an interactive workflow of creating a task, completing the code, debugging, and reviewing Github pull requests with the new code

## PROJECTS

[Korra \(React/Redux, Ruby on Rails, SCSS, JQuery\), PostgreSQL](#)

[Korra](#) | [Github](#)

A Quora-inspired single page web app where users can ask and answer questions

- Leveraged Ruby on Rails Polymorphic associations for Users, Questions, and Answers in order to maintain DRY code that allows objects from one class to belong to other object classes
- Built customized modals for CRUD actions for Questions and Answers in order to enhance the user experience
- Designed a Search feature using ActiveRecord that pulls Questions based on the on user's input , allowing users to search for results based on a keyword

[Moral One \(Mongoose, MongoDB, Node.js, Express.js, Javascript, SCSS\)](#)

[Moral One](#) | [Github](#)

A single page web app where users can take a questionnaire of moral quandaries, and then discover how different demographics answered each specific moral dilemma

- Engineered a backend that implemented MongoDB to store specific data of a Question, The Question contains data based upon the moral choice of the user, and of the user's stored demographics
- Updated a Users moral compass when a user would take a survey, giving the user an idea of what philosophy they most identify with
- Formulated pie charts for each choice using the Recharts API for a compelling and thought-provoking user experience

[MouseTrapped \(Javascript, Canvas\)](#)

[MouseTrapped](#) | [Github](#)

A puzzle game where the user controls a mouse who need to escape a cage, the user must sequentially click the correct buttons and pass through the correct walls

- Implemented OOP by creating dynamic buttons that listened for a collision of an object, and changed the state of a third connected object based on the collision, creating a stimulating environment
- Built customized pop up dialogue based on the sprites coordinates and the users performance, this was implemented to further user interaction
- Engineered a second room containing the and Rank based on the completed time of the level to maintain further user interaction

## EDUCATION

- [App Academy](#) - 1000+ hour web development program with a 3% acceptance rate, 2020
- [Yeshiva University](#) - took classes in 2019 - 2020 while majoring in Computer Science
  - Relevant Coursework: Intro to CS, Data Structures, Calculus 1 , and Discrete Mathematics