

# DAN KIM

kimd345@gmail.com

908-240-1779

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

**SKILLS** JavaScript | TypeScript | React | React Native | Redux | Apollo Client | Node | Nest | Python | Flask | SQL | Docker

## EXPERIENCE

**Refract Labs, Fullstack Developer** Remote

May 2021 - Present

Summary: Developer at a tech agency that builds web and mobile apps for clients using JavaScript / TypeScript frameworks

Project: Investment management web application

- Set up React / TypeScript frontend and Nest / TypeScript backend boilerplates from scratch and bootstrapped Auth0, Material UI, Redux Toolkit, RTK Query, Mongoose, TypeScript configuration and linting as well as file structure
- Develop numerous end-to-end features involving robust API endpoints and UI components such as in-app chat, calendar, news feed, financial data visualizations, email and user activity notifications, dynamic report builder and validated forms
- Mentor, pair program and write tickets for 3 interns as the tech lead and create documentation and engineering guidelines

Project: Auto loans data visualization web application

- Built performant filters for Chart.js components that visualize up to 4 million rows of data using Redux and React-Query
- Attended daily scrum to clarify sprint objectives, and client meetings to translate business and technical requirements

**Coachendo, Software Engineering Intern** Remote

Jan 2021 - May 2021

Project: Coachendo Mobile App

- Built and maintained React Native app at an early stage startup for AI career coaching as the first frontend engineer hire
- Refactored the app by replacing Redux and Axios with Apollo Client to accommodate for GraphQL adoption
- Implemented infinite scroll by configuring cache field policies in Apollo Client with merge and read functions

## PROJECTS

**Shibal** (React Native, Redux, Flask, SQLAlchemy, AWS, shibe API, Expo, JSX)

[GitHub](#)

iOS & Android compatible dog training mobile app for shiba inu owners to train and bond with their companion on a platform that features online education & social media elements

- Designed and built Flask server and APIs with validations and protected routes
- Implemented lesson completion feature by traversing training program tree with a recursive custom hook and global state management using Redux
- Created Postgres database with column and table-level constraints and relationships
  - Eliminated orphan data by enforcing cascade deletion

**WOGOS.com** (React, Redux, Flask, SQLAlchemy, RAWG API, JSX, CSS3, Bootstrap)

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

Single-page e-commerce website inspired by GOG.com for PC games

- Integrated full CRUD user authentication with PBKDF2 encryption and session with JWT to grant user privileges to protected routes such as checkout and session cart versus open routes such as home, store, and visitor cart
- Configured the Redux Store to persist user session data as a slice of state, which enabled teammates to implement features to interact with relevant components and views as the logged in user
- Constructed dynamic search bar component that handles on-change user input to fetch the database per keystroke
  - Conditionally renders desired results with a query that filters and limits results

**Dizney+** (Node, Express, YouTube API, Sequelize, AWS, HTML5, CSS3)

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

Disney+ inspired web app where users can stream 250 trailers from YouTube

- Built the video content details page to fetch and render information as well as display suggested videos
- Integrated YouTube API to embed a full screen video player to playback selected content
- Organized daily scrum to discuss sprint objectives as well as merge and integrate features developed by teammates

## EDUCATION

**App Academy** New York, NY

Apr 2020 - Oct 2020

1000-hour immersive full stack web development and computer science intensive

Topics: Test Driven Development, Object Oriented Programming, Agile, Data Structures & Algorithms, and Design Patterns

**Brown University** Providence, RI

Sep 2012 - May 2016

Bachelor of Arts in Economics | GPA: 3.7 / 4.0