

Tae In Ha

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

TECHNICAL SKILLS

React, Redux, Ruby, Rails, Javascript, HTML5, CSS3, SQL, PostgreSQL, JQuery, MongoDB, Mongoose, Express.js, Node.js, Firebase, Heroku, AWS S3, Github, SASS, Webpack, RSpec, Capybara

EDUCATION

App Academy, Immersive 1000+ hours full-stack web development program with < 3% acceptance rate

2019

Columbia University, Bachelor of Science in Industrial Engineering: Operations Research

2012

PROJECTS

VidTube (Ruby on Rails, PostgreSQL, React, Redux)

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

Full-stack single-page application inspired by Youtube, a video-sharing platform

- Implemented media storage on AWS S3 with Rails Active Storage to retain PostgreSQL references and to reduce server load
- Optimized Rails backend by eager-loading data to avoid making N+1 queries to the database for seamless user experience
- Leveraged polymorphic associations in Rails, resulting in a lighter weight scalable application

Kinship (Mongo, Express, React, Redux, Node.js)

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

Single-page application with a seamless and responsive design to store and organize information on social contacts

- Designed backend with Mongoose schemas, validations, and query methods for well-rounded CRUD functionality
- Collaborated and communicated proactively with team members to ensure minimal Git workflow merge conflicts
- Developed an interactive and modular dropdown component to enable dynamic forms to create or edit social contacts

Dino Jumps (JavaScript, Canvas, Firebase)

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

A browser-based 2D platformer with an interactive physics-based gameplay

- Integrated engaging sprite animations with keystroke event listeners leveraging conditional logic and OOP techniques for a more visually appealing and interactive gameplay
- Implemented custom physics engine that allows for intuitive player movement, gravity, and object collision functions

EXPERIENCE

Software Engineer

CoronaCare

April 2020 - present

- Created a platform — with React-Redux, Ruby on Rails, and PostgreSQL — to connect families impacted by COVID-19 to donors, one bag of groceries at a time
- Ensure user privacy and autonomy through frontend and backend token-based authentication measures and a robust captcha system, allowing users to securely access and update their own requests when logged in
- Refactor existing frontend components for a more readable, scalable and DRYer codebase

Consultant

Hee BBQ

Jan 2015 - Aug 2018

- Enhanced existing inventory and scheduling systems resulting in efficient operations and positive customer feedback
- Communicated effectively to cultivate teamwork while providing exceptional service in a dynamic, fast-paced environment

Data Analyst

Citigroup, Global O&T Risk Management Strategy

July 2012 - June 2014

- Developed automation tools using VBA, significantly reducing workload (100+ hours quarterly) and ensuring data quality
- Partnered with dozens of teams across Citi to develop, refine, and implement risk metrics (e.g., Key Risk Indicators)
- Facilitated the development of a benchmark mechanism to enable Citi's most senior Global O&T Risk Officers to objectively view improvement and/or deterioration trends in Citi's O&T risk profile over time