# Tae In Ha

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

## PROJECTS

**VidTube**   (Ruby on Rails, PostgreSQL, React, Redux)                                              Live | Github
*Full-stack single-page application inspired by Youtube, a video-sharing platform*
- Stored videos and photos on AWS S3 with Rails Active Storage to retain references in PostgreSQL to reduce server load
- Optimized Rails backend by eager loading data to avoid making N+1 queries made to the database and to give the user a seamless, uninterrupted experience
- Designed and refactored Rails backend for a DRY codebase utilizing polymorphic associations, reducing the number of necessary database tables by around 25%

**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*
- Incorporated a RESTful API with React-Redux and MongoDB to provide users with CRUD features to manage their contacts
- Collaborated and communicated with team members proactively to ensure minimal Git workflow merge conflicts
- Developed a smooth, interactive, and intuitive UI with modular React components to maintain a DRY codebase

**JS-Climber**   (JavaScript, Canvas, Firebase)                                                        Live | Github
*A minimalist 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 visually appealing and interactive gameplay
- Implemented collision detection and response algorithm to allow the user to jump on platforms and reach the goal
- Utilized Firebase's real-time database to store, retrieve, and present high score data for a more competitive user experience

## EXPERIENCE

**Team member**
*Hee BBQ*                                                                                    Jan 2016 - Aug 2018
- Communicated effectively to cultivate teamwork while providing exceptional service in a dynamic, fast-paced environment
- Enhanced existing inventory and scheduling trackers resulting in more efficient operations so that employees could focus on other tasks at hand resulting in increased positive customer feedback

**Data Analyst**
*Citigroup, Global O&T Risk Management Strategy*                                              July 2012 - June 2014
- Developed tools using Excel VBA to automate reporting capabilities and processes, significantly reducing workload (100+ hours per quarter) and ensuring quality in the reporting materials
- Partnered with dozens of teams across Citi to develop, refine, and implement risk metrics (e.g., Key Risk Indicators) which are presented to the most senior forum for risk management decisions and escalation in O&T
- 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

## EDUCATION

**App Academy**,  2019
Immersive 1000+ hours full-stack web development program with < 3% acceptance rate
**Columbia University, Fu Foundation School of Engineering and Applied Science**,  2012
Bachelor of Science in Industrial Engineering: Operations Research