

Chi Hin (Danny) Chan

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New York, NY

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

Skills

React.js, Redux, JavaScript, HTML5, CSS3, Ruby, Ruby on Rails, jQuery, SQL, postgresSQL, Heroku, Webpack, git

Projects

Kanbanno

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

JavaScript, jQuery, React, Redux, Ruby on Rails, postgresSQL, HTML5, CSS3, Heroku, Webpack

Single-page app clone of Trello that uses an interactive user interface to aid project management

- Implemented front and back end user authentication with Rails, ActiveRecord, BCrypt, and custom React-Router components to protect user-generated data and allow users to control access to their content
- Applied database indexing to quickly show users the boards that they have access to, including those shared with them by other users
- Incorporated the react-beautiful-dnd library to give users the ability to drag and drop their lists and cards around a board, enhancing the user experience by emulating bulletin boards

Elemental Attack

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

HTML5, Canvas API, JavaScript, CSS3, Webpack

An educational action game that teaches the concepts of atomic structure and chemical bonding

- Utilized HTML5 Canvas and animation frames to improve the efficiency of painting the DOM and provide smooth animations while conserving computing resources when users are not engaged with the game
- Developed object collision logic to manage interactions between atoms and the player as well as simultaneous collisions between multiple atoms to imitate their chaotic behavior
- Adhered to good OOP practices and applied inheritance to combine the shared characteristics of projectiles generated by the player and the atoms so that code remains DRY

Experience

Sales Associate | May 2019 - August 2019

UNIQLO USA | New York, NY

- Practiced good inventory management to reach a 0% out-of-stock ratio, ensuring that customers can always find the clothes that they want
- Processed transactions within 120 seconds to reduce wait times at checkout, boosting customer satisfaction
- Actively engaged customers to download the UNIQLO app, resulting in a store average of 40% app usage at checkout, higher than the national average

Vice President | September 2017 - May 2018

American Institute of Chemical Engineers (AIChE) | University at Buffalo Student Chapter

- Introduced new email format and club calendar to improve communication to the club's 70 members
- Planned merchandise sales and events to achieve \$4000 fundraising goal to support club activities such as subsidizing travel and accommodation costs for attending AIChE conferences
- Hosted 3 open house tours of the chemical engineering facilities to groups of 20-30 prospective students to encourage them to apply to our undergraduate program
- Awarded the AIChE Western NY Local Section Outstanding Senior Award for contributions to the club

Education

App Academy | August - November 2019 | New York, NY

Immersive 1000-hour full-stack web and software development course with an acceptance rate of less than 3%

University at Buffalo, The State University of New York | May 2018 | Buffalo, NY

Bachelor of Science in Chemical Engineering with a Minor in Mathematics | GPA: 3.9/4.0

Relevant coursework: Computer-Aided Research in the Chemical and Material Sciences, Applied Mathematics for Chemical Engineers, Data-Oriented Computing