

# Grace Yu

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## EXPERIENCE

### Application Developer Intern

#### Cardinal Capital Management INC.

May 2019 - December 2019, Winnipeg, MB

- Collaborated and communicated with 5 members separately in the financial analysis team to construct the content of the specific portfolio report based on their requirements.
- Built interactive 10+ UI windows and 6+ strip menus with C# for financial analysts to customize forms.
- Analyzed and filtered the financial data based on clients' requirements by querying MS SQL Server.
- Composed SQL queries to populate reports and forms, reducing the average weekly report generation time from 8 hours to 10 minutes.
- Received mentorship from the 10 years experienced senior supervisor while consistently implementing his feedback.
- Identified and debugged potential problems using the debug tool in Visual Studio.

## PROJECTS

### Quick Quiz

Website: <https://ts-quick-quiz.netlify.app/> • April 2022 - May 2022

- Designed the User Interface with Styled Components and Material UI including the mobile responsive feature.
- Encapsulated the custom hook useFetch to request the data with promised-based Axios.
- Created the helper method shuffleArray to populate the random order of questions.
- Filtered and displayed the highest average score and date based on the records played by the user within 10 days.
- Provided users with sections to set up the quiz complexity, such as category, question amount, type and difficulty.
- Local storage stores only the completed play and ignores the interrupted play.
- Prompted the alert message in the browser if the user wants to refresh the page in the middle of the play.
- Created Context Provider and the custom hook useContext for the project to use some variables and functions globally.

### Grace Portfolio

Website: <https://ts-grace-port.netlify.app/> • January 2022 - February 2022

- Drafted and designed a succinct, elegant, responsive and mobile-friendly UI, layout and personal logo with my best effort.
- Persisted the switch of day/night mode in the local Storage for more friendly browsing.
- Created Mockup for each project with Figma so that it looks more professional and attractive.
- Built the hamburger menu with the Framer-Motion animation library.
- Positioned each section with the React Scroll library that is implemented as the prop in the Styled-Components.
- Loading the page with React Lazy and Material UI library.
- Implemented the global style and theme provider from styled components to control the toggle of page style.
- Set up the Google ReCAPTCHA (v2) to prevent the vandalized form submission, form built with Tailwind CSS.

### Spending App

Website: <https://gy-spending.netlify.app/#/money> • October 2021 - October 2021

- Encapsulated custom hooks for getting target data, such as adding or deleting statements and generating desired date formats, etc.
- Used the line graph from Apache ECharts to display the transaction records within 30 days so that the daily consumption behavior of users can be visually assessed.
- Ejected webpack for adding the SVG loader so that the SVG can be used in the project without any issue.
- Constructed the React Router to navigate to the tabs at the page bottom.
- Provided users with react icons for them to customize distinctive symbols for different events based on daily spending and income.
- Persisted the collected data in local storage.
- Utilized QR codes to direct users to open the App on their mobile phone browser.
- Designed a simple and convenient user interface as well as a unique logo for the app.

### Happy Family Clothing

Website: <https://happy-family-clothing.netlify.app/> • June 2021 - September 2021

- Used Firebase to store product information, user registration, login and shopping information.
- Navigated the user to different pages with React Router.
- Replaced useState with Redux to manage and execute the specific actions and pass them to different reducers, for example, the cart reducer, the user reducer, etc.
- Implemented Google Sign in Authentication to provide users with more registration and login option.

- Installed Stripe Payment API to guarantee a safe and reliable payment experience for users.
- Fetched the data from Rapid API to display more product categories through Axios.
- Constructed styles with basic and advanced styled components for all components to avoid potential same class name.
- Added the scroll to top button, react pagination, and mobile responsive design to optimize the user experience.

## Shopping Cart

Website: <https://ts-shoppingcart2.netlify.app/> • April 2022 - April 2022

- Implemented Material UI to show up the loading page.
- Built Context Provider and the custom hook useContext for the project to use some variables and functions globally.
- Created the reusable ReadMore Component.
- Imitated the color selection feature of Sephora, users can hover over a color to know its name.
- Persisted the collected shopping data in local storage.

## Games Board

Website: <https://free-games-board.netlify.app/> • April 2022 - April 2022

- Filtered the data by passing the correct parameter to the custom hook useFetch.
- Utilized pseudo-class: nth-of-type and media query to fulfill the webpage responsive feature.
- Used the Error Boundary component to handle the unexpected error.

## To Do Tasks

Website: <https://ts-todo-dragdrop.netlify.app/> • April 2022 - April 2022

- Implemented the CRUD (Create, Read, Update, Delete) to manipulate the to-do task page.
- Imported the Draggable component from the react-beautiful-dnd to display the drag and drop feature.
- Persisted the to-do tasks in local storage.

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## EDUCATION

### Diploma

Minor in Business Information Technology • Red River College Polytechnic • Winnipeg, MB • 2020 • 3.9

### Master of Primary Education

Minor in Primary Education • Minzu University of China • Beijing, China • 2016

### Bachelor of Music Pedagogy

Minor in Music Pedagogy • Minzu University of China • Beijing, China • 2012

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## SKILLS

Typescript, JavaScript, React, Redux, Hooks, Custom Hooks, React Router, React Icons, Webpack, CSS in JS, HTML5, XML, CSS, Sass, Less, Styled-Components, Axios, Fetch, Lodash, Parcel, GraphQL, NPM, Yarn, Rapid API, Tailwind, Microsoft SQL Server, MySQL, Git, Markdown, Material UI, Netlify, Heroku