Yaoyao (Renee) Wang

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EDUCATION

Northeastern University   Seattle, Washington
M.S. in Computer Science, GPA 3.97/4.00   *Sep 2020 – Dec 2023*

University of Kansas Medical Center   Kansas City, Kansas
B.S. in Health Information Management, GPA 3.60/4.00   *Jan 2015 – May 2019*

SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, HTML, CSS, SQL, GraphQL, C/C++
Frameworks & Stacks: Angular, React, Express, Node.js, MongoDB, RxJS, Reactive Form, Flexbox
Development Tools: Android Studio, VS Code, Git, Vim, JUnit, Jest, IntelliJ, Eclipse, MySQL, R Studio, GCP
Coursework: Data Structures & Algorithms; Database Management Systems; Object-Oriented Design;
Mobile Application Development; Web Development; Computer Systems; Cloud Computing (AWS Academy)

WORK EXPERIENCE

Google, *Cloud AI & Industry Solution, Document AI Frontend*   Sunnyvale, California
Software Engineer Intern   *May 2022 – Sep 2022*
Collaborated with backend engineers, UX designers, and PM team to have new features launched for Document AI labeling service and document service on Google Cloud Next 2022
- Created a new labeling task creation UI component to allow customers customizing a task and sending dataset documents to human specialists, and added view/stop labeling task frontend to help customers manage tasks
- Built auto-labeling documents frontend to enable customers automatically pre-label documents with a selected processor version via import
- Technologies: *Angular, TypesScript, JavaScript, HTML, CSS, GraphQL, Google Cloud, GCP*

SELECTED PROJECTS

Recipe Book | *JavaScript, MERN*   Dec 2023
- Designed and built a feature-rich recipe-sharing full-stack web application that allows users to share, explore, and save recipes using the MERN (MongoDB, Express.js, React.js, Node.js) stack
- Integrated MongoDB to store user account data and recipe information, ensuring scalability and efficient data management
- Implemented user authentication functionalities, ensuring secure access to user account data and recipe information
- Created RESTful APIs using Express.js to handle CRUD operations for users to manage recipes activities
- Utilized state management techniques in React.js to maintain the application's state and enable dynamic content rendering
- Conducted thorough testing, including unit tests for frontend and backend components, and integration tests to ensure seamless communication between layers before deployed the app to a production environment using Google Cloud

Stock Ninja | *Java, Android Studio, Firebase*   Jan 2022
- Led a group of 4 to design and develop an investment-based mobile application that mainly supports users virtually trading stocks
- Implemented layouts of user portfolio, stock information and discussion board by creating dynamic lists with Recycler View and applying addictive principles
- Integrated with an open-source API to fetch real-time stock information and market data for users to search
- Utilized Firebase Realtime Database to storage account authentication infos, discussion posts and transaction histories
- Enabled GPS sensor to allow users share location and find nearby users to keep users engaged

National Park Search Engine | *Java, MySQL, Eclipse*   Sep 2021
- Delivered a data-driven web application for reviews and ratings of National Parks across west coast to benefit outdoor enthusiasts who are unhappy with scattered information of products in the current market
- Utilized MySQL to store user information, recommendations, reviews, and preference
- Used JDBC to build the data access layer and used JSP to build the web application
- Analyzed the factors that contributes to the rankings of National Parks by utilizing CloverDx

Checkers Game | *Python, Turtle*   Dec 2020
- Implemented the game logic to compute state-action transition and to recognize winner
- Designed and developed the game UI to reveal the board states and receive the input actions from users
- Achieved greedy-based approach for AI with minimal strategies, allowing users to play with the computer player