Alex Nguyen

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TECHNICAL SKILL

LIBRARY INVENTORY APPP (CSS, JS, ExpressJS and HTML)   May 2023 – August 2023
Full stack developer

- Designed a one-page management react app allowing users to add new incoming books and automatically fill the information of the books through Google Book API by understanding state management between each component.
- Implemented an API and effectively handled errors from backend through express.js framework to provide sufficient information for the frontend by adhering to RESFUL principles and understanding networking protocols.
- Modeled a schema to store book's information in mongodb cloud service and successfully pertained information from frontend sending to backend.
- Deployed and applied continuously testing for backends' endpoints through an integration test with understanding of behavior driven test's designs and GitHub action's syntax.

CHESS APP (Tailwind, JS, Socket.io and HTLM)   May 2023 – August 2023
Frontend developer

- Handled routes of room assignment page to other components with React Router and avoided multiple users' errors sent back to backend through guard designs.
- Implemented a playback feature that allows users to retrieve information of a previous game step by step using a combination of understanding asynchronous programming, redux thunk and middleware.
- Integrated an Artificial Intelligence model from stockfish engine to predict the best move and calculate the expected score to evaluate the past games by manipulating multiple web workers' threads and concurrent design handlings.
- Effectively styled the majority of frontend and handled errors from backend to provide users' sufficient information about their interaction using frontend languages and frameworks.

VOLUNTEER EXPERIENCE

AMS FOOD BANK   August 2022 – Current
Stock handling staffs

- Effectively communicated with coordinators about defected products to avoid spreading further damage to the current stocks.
- Precisely reported the quantitative of categories of new incoming stocks and collaborated with other volunteers to efficiently sorting through products each week.
- Committed to time management and always informed scheduling conflicts with the team in order to avoid affect the structure of the team.

EDUCATION

University of British Columbia   May 2025
Bachelor of Commerce, combined major of Business and Computer Science   Vancouver, BC
Completed CPSC 310, CPSC 304, CPSC 313, MATH 200, STAT 302, MATH 221
Authorized to work full time as an International Studnet in Canada in May 2024 – September 2024