Zihe Zhou

GitHub: https://github.com/ZiheZhou1101

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SUMMARY

• Multiple educational background with comprehensive understanding of computer science, programming and algorithm principles.

• Proven interpersonal skills in professional business environment; Ability to communicate various needs from customers, stakeholders and team members.

• Attention to details, critical thinking and problem-solving skills to ensure projects are delivered timely.

React	JavaScript	Git	Redux	React-router	Postman
Material-UI	Storybook	Scrum	JIRA	Responsive Design	Unit tests/Integration tests
DynamoDB	Agile development	C++	Java	MySQL	Python

EDUCATION

• **GrDip in Computer Science** | Concordia University   **Sep 2023-Aug 2024**
• **M.Sc in Global Supply Chain Management** | HEC Montréal   **Aug 2021-May 2023**
  Fall 2022 Honor Roll - Highest GPA in the specialization
• **B.S in Mathematics** | Nanjing University of Aeronautics and Astronautics   **Sep 2017-Jun 2021**

PROJECT & WORK EXPERIENCE

React Single Page Application - Trello Board Clone   **May 2023-Aug 2023**

• Designed and built a simplified version real world webapp Trello from scratch. Analyzed client's needs, conducting comprehensive front-end technical specifications. Maintain consistency and improve code quality by Setting up ESLint and Prettier configurations.

• Designed data structure to visualize lists and cards data. Established components for CRUD operations, offering multiple solutions for a seamless UX mapping for managing tasks and information. Leveraged the powerful React-Beautiful-DnD library, implementing drag-and-drop functionality.

• Actively collaborated with back-end team, utilized Postman to query APIs and retrieve data from the backend. Integrated DynamoDB for efficient and scalable data management.

React Single Page Application -The National Park Advisor   **Feb 2023-Mar 2023**

• Developed a comprehensive website in a week displaying detailed information about 500 national parks in the United States. Utilized Material-UI, React-leaflet and React Router to create interactive login, search, filter, list, and details pages. Deployed the application to GitHub.

• Mastered a clean and readable coding style and used version control tool to manage all the projects. Strictly followed Scrum practice to ensure project alignment and timeline, as well as RESTful API integration for seamless data access. Constantly monitor the efficiency of the page functionality and revamp it by transitioning from local state management to employing Redux.

Connect Four Game Application   **Jan 2023-Feb 2023**

• Created an engaging Connect Four game, reusable UI elements, allowing users to competitively play against a computer opponent. Designed a responsive user interface and implemented game logic using JavaScript, React, styled-components and prop-types by VSCode.

Distribution Intern, NFI Industries   **Ontario, May 2022-Aug 2022**

• Conducted time studies, metrics tracking and warehouse efficiency reports weekly for managers to support decision-making process. Being the first person to carry out monitoring raw material quantities by SAP, prevented supply shortages and got supported by the plant manager.

• Established a mathematical model to predict material needs and optimized inventory levels based on inbound, outbound, inventory data and materials' characteristics. Generated data dashboards by Python data visualization tools to make the results more accessible for the management team.

• Proactively communicated with internal and external clients regarding project requests.