Sothyra Chan

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SUMMARY OF QUALIFICATIONS

As an aspiring web developer, I bring a strong foundation in web development, user-centric design, and database management. I excel in problem-solving, collaborating effectively in team environments, and organizing complex projects while managing time efficiently to ensure smooth execution and success. My ability to mentor and provide tailored support to peers and youths has strengthened my interpersonal skills from active listening to effective communication. Therefore, I am dedicated to leveraging my technical expertise to build accessible and efficient web applications.

EDUCATION

Software Engineering Technician Diploma (GPA 3.8)   **January 2023 – August 2024**

Centennial College, Toronto, ON

- **Relevant Coursework:** Web Interface Design, Client-Side Web Development, Web Application Development, Software Development Project 1

SKILLS

- Solid understanding of JavaScript, Node.js, Express.js, React.js, React Native, R3F, Oracle, MySQL, MS-SQL Server, MongoDB, Git/GitHub, Python, PL/SQL, Machine Learning, Object-Oriented Design, Java, and Unix/Linux

PROJECTS

Smart Home Energy Optimization System (React Native)   **May 2024 – August 2024**

- Roleplayed as the agile customer immensely assisting a team of 6 people with the weekly meeting and planning documentation throughout the entire software development life cycle of a 4-month timeframe.
- Assisted in developing a cross-platform mobile application using React Native, TypeScript, and MySQL for sign-up, sign-out, and profile pages.
- Collaborated with a team and contributed to API development and testing to ensure smooth integration with the MySQL database to simulate real-world energy usage.

Job Tracker (React.js)   **September 2024 - Present**

- Contributed to designing the UI/UX for the Job Tracker website using Figma focusing on creating an intuitive and user-friendly interface.
- Implemented front-end functionality based on the provided UI/UX designs, ensuring adherence to design specifications and enhancing the user experience.
- Conducted research and planned features for the website to align with project goals and user needs to inform development and future improvements.

Personal Portfolio (React.js & R3F)   **February 2025**

- Developed a responsive portfolio website using React.js and Tailwind CSS, ensuring a modern UI/UX for an optimized user experience.
- Integrated a custom 3D character from Ready Player Me, enhanced with Mixamo animations, and rendered interactively using React Three Fiber (R3F) for user engagement and creativity.
- Customized the 3D model in Blender, modifying the outfit and skin tone for a personalized touch.

- Implemented dynamic form submission using EmailJS, enabling real-time communication and improving user engagement.

Electronic Library (Full Stack)   **January 2025 - Present**
- Developed a full-stack e-library application with React, Node.js, Express, MySQL, and Google Drive API integration.
- Implemented user interface components for book management, search, and display, leveraging Bootstrap for responsive design.
- Integrated Google Drive API for secure file storage and retrieval, handling authentication and public URL generation.
- Enhanced backend architecture by migrating file storage to Google Drive and implementing secure, efficient API endpoints.

EXPERIENCE

Centennial College   **Toronto, ON**
Peer Tutor   **July 2024 – August 2024**
- Gained expertise in mentoring students in foundational JavaScript, Python, and Linux and guiding them through teaching and problem-solving challenges.
- Improved technical, communication, interpersonal, and problem-solving skills by identifying student needs and providing tailored and effective support.

VOLUNTEERING

Human & Hope Association   **Siem Reap, Cambodia**
Library Assistant   **September 2023 – November 2023**
- Developed and maintained a full-stack e-library web page for internal members to upload and access books, improving digital resource management.
- Organized and documented weekly reports on borrowed books, returns, and student engagement, demonstrating strong written communication skills.
- Assisted in correcting mismatched Google Map locations for the organization, improving online content accuracy and accessibility.
- Created engaging reading activities to promote literacy while ensuring a well-structured, organized, and hygienic library environment.

Human & Hope Association   **Siem Reap, Cambodia**
English & Khmer Teacher   **September 2023 – November 2023**
- Utilized speaking and listening skills to teach entry-level English & Khmer to almost 100 local Cambodian children.
- Imparted the essential living values to the pupils to foster positive attitudes and behavior every Friday.
- Helped students maintain their mental well-being through morning activities such as meditation.
- Assisted in filming the interview process of the team members and the successful client for the association's agriculture projects.
- Documented end-of-study reports about each student's assessment evaluation and their study outcomes.