Caleb Chiang, Software Developer Intern

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Website: https://chiangportfolio.netlify.app/

Github: https://github.com/calebchiang/

Technology: HTML/CSS, Tailwind CSS, JavaScript, React, NodeJS, Express, C, Java, MongoDB.

Skills: Problem-solving, web development, object-oriented programming, Agile development, Git version control, algorithms and data structures.

EDUCATION

Jan 2023

Computer Systems Technology, British Columbia Institute of Technology

Burnaby

- Discrete Mathematics, Web Development, Object-Oriented and Procedural Programming, Computer Architecture, Algorithms and Data Structures, Relational Database Systems.
- Expected Graduation: January 2025

SOFTWARE EXPERIENCE

Jan 2024

RSS Reader Application

Burnaby

- Developed a full-stack RSS Reader application as a personal project that enables users to aggregate and personalize news feeds from various sources.
- Implemented RESTful API endpoints in Express, facilitating CRUD operations for user profiles and subscriptions.
- Designed a responsive frontend with React, enhancing user experience with dynamic content updates and a clean, navigable interface.
- MongoDB is used to efficiently manage data, with schemas designed for users and subscriptions that ensure fast retrieval and scalability.

Jan 2023 — Apr 2023

Side Guide

Burnaby

- Developed a pedestrian alert system as a full-stack web application, collaborating with a team for an academic course.
- Adopted Agile Development practices, including daily Scrum meetings, to enhance collaboration and communication.
- Utilized a robust technology stack comprising HTML, CSS, JavaScript, and Node.js for backend processes.
- Integrated Firebase 8.0 as a Backend-as-a-Service (BaaS) solution for secure data storage, user authentication, and real-time data updates.

Dec 2023

Sudoku

Burnaby

- Crafted with React and showcased a streamlined single-page application.
- Implemented a backtracking algorithm based on depth-first search principles to dynamically generate puzzles of varying difficulties.
- The algorithm fills the board by exploring possible solutions, and retracting steps when encountering dead ends—a process that ensures each puzzle is both unique and solvable.
- React's efficient state management facilitated real-time board updates and solution validation.

RELEVANT EXPERIENCE

Jan 2023

BCIT Computing Club

Burnaby

- All-inclusive computing club at the British Columbia Institute of Technology.
- Actively participated in events and hack-a-thons to gain experience and build connections with like-minded individuals.
- Participated in collaborative study sessions to bolster understanding of programming concepts and enhance overall preparedness.

Feb 2023

Global Game Jam Vancouver 2023

Vancouver

- Game development hackathon where game-makers come together to build games in the span of a few days.