

Jiatong (Danielle) Chen

Year 4, Computer Science and Environmental Sciences
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Education

Bachelor of Science (GPA: 88%)

Expected Graduation: May 2024

The University of British Columbia, Vancouver, Canada

- Faculty of Science International Scholarship (2019 & 2020 & 2022) | Trek Excellence Scholarship (2019)
- Dean's Honour List (2018 & 2019 & 2020)
- Courses: Algorithm and Data Structures, Relational Databases, Computer Networking

Work Experience

Program Assistant

Department of Asian Studies, UBC, Canada

Oct 2022 – Apr 2023

- Update, edit and add content to the program website using **HTML** and **CSS** based on WordPress
- Create posts for the program social media accounts
- Assist in planning, promoting, and coordinating program events

Associate Software Engineer Intern (BI Publisher)

Broadridge, Toronto, Canada

May 2022 – Aug 2022

- Wrote high quality and well-documented code according to the requirements using **PL/SQL** and **Oracle BI Publisher** to develop financial reporting software
- Actively participated in team meetings and training sessions, collaborated with team members, other developers, QA testers and business analysts
- Resolved around 30 defects and production issues from database queries to report layouts

Co-op Software Developer

Quartz Imaging Corporation, Vancouver, Canada

Sep 2021 – Apr 2022

- Worked with developers in a scrum team to maintain and improve the company's laboratory information management web application
- Full stack web development in **ASP.NET framework (C#)** with a **SQL** database including:
 - Built a feature that links jobs and clients in database and displays the relationship on the website
 - Migrated 30 C# web services from Web Forms to MVC pattern to modernize the backend
 - Managed databases by creating stored procedures, updating schemas and data using SQL script
 - Delivered work using Scrum Methodology as an active member and moderator in scrum meetings

Academic Project

E-Commerce Web App

May – Aug 2023

- Created a web application that provides online shopping experiences for users
- Built UI for home and dashboard pages in **React**
- Implemented functionality to filter and search for products using a REST API with **Node.js** and **Express.js**
- Made connection to **MongoDB** for product data

Album Management System

May – Aug 2023

- Created a webpage allows users to manage their favorite music albums
- Designed the webpage UI and displayed albums with **React**
- Implemented functionality to add, delete, sort, and update albums using **Redux** and **Redux-thunk**
- Integrated **MongoDB** database and a REST API with **Node.js** and **Express.js**

Insight UBC Search Engine

Jan – Apr 2023

- Created a full stack web development project that enables effective querying of historical data regarding the university's course sections and rooms using **TypeScript**
- Implemented the Data Processor that load and process data from the given zip files
- Built Query Engine functions that collect and display data as a JSON object
- Built REST endpoints of the Web server for the frontend to access methods via HTTP requests

Languages and Technologies

- Languages: C#, SQL, Java, React.js, C, C++, TypeScript/JavaScript, HTML, CSS
- Technologies: Visual Studio, SQL Server Management System, IntelliJ IDEA, Azure DevOps