

JOEL M. R. MILES

SOFTWARE DEVELOPER



<https://joelmiles.com>



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509-609-4196



Lynden, WA

Authorized to work in the USA

SOFT SKILLS

Communication
Accountability
Collaboration
Patience

EDUCATION

BACHELOR OF EDUCATION

University of British Columbia
Vancouver, BC
2021 – 2022

BACHELOR OF SCIENCE

Major in Biochemistry
University of British Columbia
Vancouver, BC
2014 – 2017

CO-OPERATIVE EDUCATION PROGRAM

University of British Columbia
Vancouver, BC
2015 - 2016

PROJECTS

JOEL'S CORNER

React, JS, HTML, CSS, TypeScript, Tailwind

- Static, frontend website hosted on Cloudflare pages for displaying my personal projects.
- Mobile and desktop friendly.
- Website pages are dynamically generated using data in JSON.

WORK FINDER

React, JS, HTML, CSS, TypeScript, Tailwind, ASP.NET, MAUI, WPF, Selenium

- Full stack React/C# program for finding work as a substitute teacher.
- Program has had many UI implementations: MAUI, Avalonia UI, WinForms, and React.
- Features include theming, dependency injection, notifications through email and text, and job filtering based on personal preference.

DISNEY BOOKER

C#, ASP.NET, Selenium

- Backend program for automated booking of Walt Disney World restaurants.
- Uses an API to search for available reservations for a restaurant of choice.
- Returns a direct booking link for the specified time.
- Able to send notifications through alerts, text, and email.
- Can implement Selenium for automated booking.

BOOKSHELF

C#, Avalonia UI, Firebase

- A cross-platform digital bookshelf for keeping track of books you would like to read.
- Uses Google Books API and the HtmlAgility package to pull book data, ratings, and images from Google and Goodreads.
- Uses MVVM architecture, dependency injection, and .Net Community Toolkit 8.1 for source generation.
- Data is stored in Google's Firebase using the Firesharp package.

WORK EXPERIENCE

SUBSTITUTE TEACHER

Surrey School District / Surrey, BC / Sept 2022 – Present

- Full time substitute teacher at many schools teaching various subjects, such as Computer Science, Science, Math, and English.
- Frequently worked with Bases, which is a program for students with learning disabilities that teaches academic, social, and employability skills.

EDUCATION ASSISTANT

Pacific Academy / Surrey, BC / Sept 2019 – June 2021

- Adapted material to YouTube and a personalized Google Site for asynchronous, online teaching during COVID-19.

TUTORING

Above Grade Level – In-Home Tutoring Service / Surrey, BC / Sept 2019 – April 2020

- Provided comprehensive tutoring services across various subjects, including online sessions during the COVID-19 pandemic.

AGRICULTURE LAB TECHNICIAN

SGS / Burnaby, BC / Aug 2017 – Oct 2018

- Provided essential laboratory support by ensuring equipment functionality, conducting sample analysis, and assisting chemists in various tasks, and precise protocol adherence.

FOOD RESIDUE TECHNICIAN

Maxxam Analytics / Burnaby, BC / May 2015 – Jan 2016

- Conducted precise analytical testing using advanced equipment to detect and quantify various contaminants in food products, ensuring regulatory compliance and safeguarding product safety and quality.