

# Joel Semeniuk

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## EDUCATION

### University of British Columbia Okanagan

September 2018 – Present (Currently in fourth year)

- **Major:** Computer Science, B.Sc. (Cumulative GPA: 4.20 Third Year GPA: 4.33)
- **Minor:** Data Science
- **Coursework:** Parallel Computing, Computer Graphics, Data Analytics, Databases, Networks, Computer Vision, Machine Learning, Algorithms, Web Programming, Data Structures, Machine Architecture

## EMPLOYMENT

### Student Software Developer, Reflex Enterprise Solutions Group

May 2021 – Present

- Created a solution for backend report generation communication to the frontend using SignalR
- Developing a program to upgrade company projects to newer versions of .NET
- Refactoring older projects to take advantage of the repository model

## PROJECTS

### Medical Image matching using AI for record linkage— BC Cancer

- University Capstone Software Engineering Project in a team of four
- The program to be built will match medical images using AI
- Suspected mismatches can be compared and output a probability of a match based on the images' pixel data

**Utilizing:** Python(Tensorflow, OpenCV, and other open source libraries)

### Music Teacher Website— Danni's Music Studio (<https://www.dannifehr.ca/>)

- Developed a website for a local music teacher that allows for students to view notes created by the teacher
- Incorporated Google Firebase for data storage
- Used Google's authorization system for user signup and login
- Added multi level users through Google Cloud Functions

**Utilized:** HTML/CSS, Javascript, Firebase, Git, Heroku

## SKILLS

Software: Most experience with C#, Java, HTML, Javascript, SQL. Some experience with C, Python, R, MatLab, PHP, Git, CSS.