

NIMRAT BRAR

Software Engineer Intern

+1 587-433-7524 @brarnimrit8@gmail.com Alberta, Canada

SKILLS

Data Structures

Azure

Algorithm Design & Analysis

UX design

Linux

Microsoft Office

PROGRAMMING

Java

HTML & CSS

C++

JavaScript

C

NodeJs

STRENGTHS

Oral and Written Communication

Team Building

Committed to Lifelong Learning

LANGUAGES

English Native

Punjabi Proficient

Hindi Proficient

EDUCATION

Bachelor of Science in Computer Science

2020 - Present

Mount Royal University

PROGRAMMING PROJECTS



Student Registration System

I built a command line based student registration system using an agile methodology in Java. Extensive testing was performed to ensure quality using JUnit.



Mandelbrot Set Image Generator

I built a Mandelbrot set generator by utilizing recursive algorithms in C++.



Chess Game

I built a PvE chess game in C++, where I utilized classes and inheritance to develop the game and tested it by using google test. It was played using the command line on a Linux server.



2D Game

I created a 2D game using Motorola 68K Assembly language and C, powered by the Atari ST coding emulator.



Comb Sort Animation

I created an animation for Comb Sort using Swing and Java.



Playlist Generator

I created a playlist generator web application that utilizes Spotify's API to get access of songs from 2016. I built this using HTML, CSS and JavaScript.



Personal Resume Webpage

I created a webpage that highlights my education, experience, interests, and hobbies. This webpage was built using HTML, CSS, and JavaScript.

RELEVANT COURSES

Algorithms and Complexity

- I learned about the implementation and efficiency of greedy algorithms, divide-and-conquer algorithms, recursive backtracking and dynamic programming.

Foundations of Software Engineering

- I learned about software development life cycle models and software development process improvement. As well as goals and methods for requirements analysis and specification.

Data Structures and Algorithms

- I learned data structures such as maps, trees, and graphs. I also studied multiple different sorting algorithms.

Web Development for Computer Science

- I further explored HTML, CSS, JavaScript, and NodeJS in this course.

FIND ME ONLINE



GitHub

<https://github.com/NB0000110>



LinkedIn

<https://ca.linkedin.com/in/nimrat-brar-4a32a2252>