

Chad Koivuneva

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EDUCATION

MOUNT ROYAL UNIVERSITY

BACHELOR OF SCIENCE

December 2022 | Calgary, AB

Major: Computer Science

LINKS

Github://ckoiv936

LinkedIn://Chad Koivuneva

COURSEWORK

UNDERGRADUATE

Web Development

Operating Systems

Data Modeling and Query's

Network Infrastructure

Software Engineering

Information Structures

MATHEMATICS COGNATE

Calculus

Linear Algebra

Abstract Algebra

Numerical Analysis

Discrete Math

SKILLS

TECHINICAL SKILLS

Proficient with:

C++ • Java • Javascript • Python • \LaTeX

Linux • MySQL • CSS3 • HTML5 • Git

Experience with:

Haskell • Prolog • Nodejs • React •

Assembly • C • NOSQL C • Tailwind CSS

Additional Skills

Software Agile Methodologies • UML

Class Diagrams • Photoshop

VOLUNTEERING

PEER LEARNING PROGRAM

September 2019 - April 2020

- Mentored others in math and science
- Improved skills in leadership, problem solving and studying

SOUTHVIEW CHURCH

September 2019 - Present

- Leading, motivating and teaching kids
- Helping the local community

WORK EXPERIENCE

ALBERTA ASSOCIATION OF NURSES | WEB DESIGNER

Aug 2022 - Present

- Creating pages on the Alberta Association of Nurses web-page using WordPress
- Worked with the team to determine how pages should look, and constructed them to the teams needs
- Used mailchimp, photoshop and CSS for additional design features

TECHNICAL PROJECTS

WORD GUESSING GAME | JAVA

February 2022

- Created a client side word guessing game that allows a user to choose the number of guesses and words to guess
- Allows the user to guess letters until the words can be guessed or the user loses
- Sends client information to the server via socket programming

HOTEL BOOKING SYSTEM | JAVA

March 2021

- An interactive booking program with front end package jmenu
- Wrote functions for registered customers and saving their information in the system

OPERATING SYSTEMS SCHEDULER | JAVA

December 2021

- Created multiple operating system schedulers and simulated their performance against one another

BASH SHELL | LINUX

November 2021

- A Linux based command line with multiprocessing via system calls
- Implemented piping amongst other commands to simulate the Linux bash shell

DYNAMIC WEB SITE | HTML CSS JS

October 2019

- A Shakespeare website with play's pulled from an API
- Display's a chosen Shakespeare play and allows the user to find a specific word in the play

DATABASE GENERATED WEBSITE | NOSQL TAILWIND CSS HTML JS

March 2022

- A clone of stack overflow using Azure SQL for the database and Tailwind CSS for styling
- Created UML diagrams to guide the team on what data to collect and it's relations

DATA STRUCTURES | JAVA

October 2020

- Implemented Quick-sort with an animated graphic to illustrate how the algorithm works