

# Parm Johal

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in [Parm Johal](#)

## Education

### Bachelor of Computer Science

University of Victoria  
Victoria, BC

Expected Graduation: June 2020

## RELEVANT SKILLS

### Techniques

- Code Debugging
- Web Development
- Distributed System Scalability
- Database Management
- Object-oriented programming

### Programming Languages

- C
- Java
- Python
- HTML
- CSS
- Javascript

### Software

- Matlab
- Linux Bash
- PostgreSQL
- MySQL
- Docker

## Professional Skills

- Proficient understanding of Java programming language by developing skills such as improving time and space complexity, sorting algorithms, and dealing with data set aggregation
- Experience in scaling software systems by creating multiple secure servers to communicate with each other and servicing up to 1000 users at once in an efficient manner.
- Use of HTML, CSS, and Javascript to create a landing page for a client and my portfolio website
- Established a universal math program for grades k-12 students by storing different types of files and information using PostgreSQL
- knowledgeable in C programming by formatting articles, stories, and implementing OS functions
- Knowledgeable in Python programming from connecting different servers and databases together
- Experience working collaboratively by working with diverse teams in both school and sports environment
- Leadership skills developed in group projects by coordinating schedules, setting up meetings, and submitting work before deadlines
- Developed a strong sense of commitment from being a varsity athlete
- Strong time management skills with the ability to stay organized while maintaining multiple commitments such as school, work, and varsity

## Projects

### DayTrading Inc.

January 2020-Present

SENG 468, University of Victoria

- Currently building a distributed system for one user and scaling it to 1000 users
- Creating an efficient architecture and deploying it using Docker containers
- Constantly checking security measures and ensuring that the system runs without bugs

### Universal Math Education

September 2019-December 2019

CSC 370, University of Victoria

- Developed a database with a team by creating ER models and functional dependencies
- Implemented using PostgreSQL and Python and testing the data with sophisticated queries

## Rugby World Cup predictor

September 2019-December 2019

SENG 474, University of Victoria

- Collecting a large data set by scraping it using python and storing it into postgresql server
- Mining the data by training a linear classifier with previous matches and predicting with test data
- Achieving a 90% accuracy on predicting rugby match outcomes by implementing regression analysis

## IBM Summit

January 2019-April 2019

CSC 350, University of Victoria

- Reporting on the architectural design of the IBM Summit by writing about its strengths, weaknesses, and overall analysis
- Comparing the analysis of the IBM Summit to other supercomputers including China's Sunway TaihuLight, Switzerland's Piz Daint, and Germany's SuperMUC-NG

## Employment History

### Rev Status

August 2019-Present

Web Developer

Victoria, B.C

- Creating a landing page for a client by communicating and meeting requirements
- Using a combination of HTML, CSS, and Javascript to implement the website
- Continuously maintaining the website by updating pages and testing browser compatibility

### University of Victoria

January 2017-Present

Vikes Intramurals Supervisor

Victoria, B.C

- Organizing games for UVic students
- Managing and resolving conflict between players by making quick and fair decisions

### Math4Me

January 2018 - August 2019

Academic Tutor

Victoria, B.C

- Educated k-12/University students in core subjects such as Math, English, and Sciences
- Increased confidence in students by improving their grade percentage
- Communicated with parents to meet their requirements and receive feedback
- Managed 3-4 students at a time and dealing with different subjects at once.

### UVic Vikes Summer Camps

July 2016 - August 2017

Camp Instructor

Victoria, B.C

- Coached kids for their improvement in soccer skills and team building
- Organized drills and games for large groups of kids