

# Harsh Patel

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## EDUCATION

### McGill University

Bachelor of Science Honours  
Computer Science and Biology  
Minor in Mathematics  
J.W. McConnell Scholarship  
Expected Grad. May 2021  
Cum. GPA: 3.9/4.0

## COURSEWORK

Data Structures and Algorithms  
Object-Oriented Programming  
Discrete Mathematics  
Multi-variable Calculus  
Linear Algebra  
Physical Biology of the Cell  
Organic Chemistry

## SKILLS

### Languages:

Java, Python, JavaScript, Ruby

### Frameworks and Formatting:

Express, Pug, EJS, CSS, HTML, Markdown

### Databases:

SQL

### Tools:

Git, Vim, Jupyter, Atom

## OTHER EXPERIENCES

Inside Ride Leader (Raised over \$20,000)  
Student Council Prime Minister (2014-16)  
ICU Hospital Volunteer  
First Robotics Team Member 4902

## EXPERIENCE

### Software Developer

Sept 2017 – May 2018

SIMVO

Montréal, QC

- Contributed in the programming of a chrome extension and the planning of a degree-planning website that impacts over thousands of students.
- Implemented an add to personal calendar feature that supports (Google, iCal, Outlook etc.) for the chrome extension with client-side JavaScript.

## PROJECTS

### Personal Website

mrharshpatel.com

- A dynamic website created to learn more about modern web development tools.
- The website dynamically obtains my notes (written in markdown) and projects and adds them to an SQL database which is then used to display to the user.
- The stack used included Node.JS, PUG, Express and SQL.

### OneVote

Created for Starter Hacks 2018 Waterloo, ON

- Worked as a team of four to create a website that delivers political information and government polls depending on a user's geographic location.
- Made a prototype in 24 hours with Ruby on Rails and SQL, that featured a login system, CRUD capabilities, and location filtering.

### Discord Democracy and Meme-Campaign Generator

Created with the Java Discord API

- Made a voting bot for a popular chat service that allows users to create polls and vote using SQLite.
- Made a campaign meme generator that uses RESTFUL API calls to get a random meme and political slogan for a campaign on the chat service.

### Elastic Collision Simulator

McGill Physics Hackathon 2017 Montreal, QC

- In a team of two, used Java Swing to create a physics simulation of completely elastic collisions in 24 hours.