

OHM PATEL

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About Me

Third year university student with an interest in electrical and computer engineering. Hands on experience and knowledge with programming techniques and applications. Experience with working in teams and leading teams towards goals. Variety of volunteer work done within the community leading to excellent organization, teamwork, and problem-solving skills while interacting with clients.

Education

University of Manitoba

*Bachelor of Science in **Computer Engineering***

Sep. 2021 – May 2026

Winnipeg, Manitoba

Relevant Coursework

- | | | | |
|--------------------------|-----------------------|------------------|-------------------------|
| • Data Structures | • Algorithms Analysis | • Linear Algebra | • Electric Circuits |
| • Microprocessing System | • OOP | • Calculus 3 | • Digital Logic Systems |

Projects

Personal Portfolio Website | *HTML, CSS, JavaScript*

January 2024

- Developed a personal portfolio website to display personal achievements and projects.
- Used HTML to describe the website format and develop a structure.
- Applied CSS to control layout of website and display HTML elements.
- Used JavaScript to implement interactive elements in the website with smooth flow throughout.

SpellChecker | *Java, Eclipse*

March 2023

- Implemented a spellchecker written in Java that checks spelling in a given text.
- Applied hash tables and binary search trees to find spelling errors.
- Utilized a dictionary file for reference to check.
- Github code

Whac-A-Mole Game | *Verilog, FPGA, Quartus*

December 2022

- Implemented a Whac-A-Mole game using Verilog and a FPGA.
- Code for simulating the game was written using Verilog.
- Implemented verilog code on the DE10- Standard FPGA-SoC.
- Github code

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript, Verilog, Assembly, R

Developer Tools: VS Code, Eclipse, Latex, Arduino, Multisim, Quartus

Technologies: Linux, GitHub, Microsoft Applications, Digital Design, Video editing

Leadership / Extracurricular

Key Club

June 2018 – June 2021

President

Collège Miles Macdonell Collegiate

- Led a student-led club that encouraged leadership through service.
- Was elected for president for two consecutive years.
- Volunteered at numerous locations and provided services to the community.

Concours d'art Oratoire

May 2020

Second place provincials

Collège Miles Macdonell Collegiate

- Competed in a French speaking competition known as concours d'art Oratoire
- Won Gold in high-school, Gold in divisional, Silver in provincials
- Placed second in my category for Manitoba.