

# Faizan Muhammad

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## EDUCATION

**McMaster University, Hamilton, ON**

Engineering 1, Faculty of Engineering; GPA-3.6/4

Computer Science Level 1, Faculty of Computing and Software; GPA- NA

Sept 2021 – May 2022

Sept 2022 – May 2026

## Relevant Courses

- Introduction to Computational Thinking, 1JC3
- Calculus 1&2, 1A03/1AA3
- Linear Algebra, MATH 1ZC3
- Integrated Cornerstone Design Projects in Engineering, 1P13

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, HTML/CSS, Haskell

**Tools:** Bootstrap, React, Notion API, PyAudio, Raspberry Pi, Git/GitHub

## WORK EXPERIENCE

**Pixel8, Mississauga, ON**

May 2022 – August 2021

Frontend Software Engineer Intern

- Produced 3 to 7 mock designs and wireframes for landing pages for new product concepts
- Collaborated with designers to conceptualize wireframes and streamline UI/UX implementation
- Communicated with Development/Accounts teams to identify opportunities and issues for 3 to 5 clients per session
- Scaled solution to the client's goals and budget
- Used Git to conduct version control to track projects, report bugs, and apply systematic problem-solving after every working day

**Region of Peel; Infrastructure Planning Partnerships & Compliance, Brampton, ON**

Sept 2022 – Dec 2022

Project Management Intern

- Conduct Data Analysis and Data Modeling for Infrastructure Planning Partnerships & Compliance
- Analyzed Consultant Report to investigate development projects
- Developed GIS datasets, maps, visual representations of data, and formulate information into presentations and technical reports.
- Assist project managers on technical analysis with Class EA, Local Improvement projects, studies conducted by water program planning group.
- Developed Hydraulic Models from raw pressure logging data for municipal and regional wells to be used in annual reporting for the Ministry of the Environment, Conservation, & Parks

## PROJECTS

**Voice-to-Text Notetaking App** – <https://devpost.com/software/pat-productivity-algorithm-tool>

- Program considers user's voice as input and outputs the words with correct grammatical structure along with date of input and status of completion
- Task-Management platform using Notion API integrated with PyAudio using Python

**Blackjack Card Game** – [https://github.com/Faizanm0903/Black\\_Jack\\_Js](https://github.com/Faizanm0903/Black_Jack_Js)

- Card game designed to test fundamental composition of JavaScript concepts
- Used Html, CSS, JavaScript to perform functionality

**Personal Portfolio Website** – <https://faizanm0903.github.io/>

- Dynamic and responsive live portfolio with updates to recent employment/projects
- Used HTML, CSS and JavaScript to compile the final product