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Tirth Nagar

Engineering 1 Co-op Student

Portfolio: tirthnagar.me
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I aim to work as a Software Engineering Intern, applying and expanding my knowledge in the field of testing, designing, and maintaining software to cater to the specific needs of the people. I am currently looking for an entry-level position as a Software Engineering Intern in a dynamic workplace that values my analytical and technical skills and provides the experience needed to expand my knowledge. I additionally aspire to work for a company that will help me contribute to its development while aiding my personal growth.

EDUCATION

Bachelor of Engineering, McMaster University

(Expected) 2022-2027

Relevant Courses:

- Integrated Cornerstone Design Projects in Engineering [Engineer 1P13 A/B]
- Artificial Intelligence - Innovate Technologies [Innovate 1Z03]

SKILLS

Tools and Languages	Python, Java, C, C++, Assembly, MySQL, and LaTeX
Web Development	HTML5, CSS, Javascript, and React
Hardware	Arduino and 3D Printing
Productivity Software	Microsoft Office
Communication	English, French (limited proficiency), Gujarati (Native Speaker), and Hindi

TECHNICAL EXPERIENCE

Project Lead / Personal Portfolio

09/2020 — Present

Web Development

Personal Project

- Created a personal portfolio website while learning web development.
- Notable features include a responsive text and image sizes both on PCs and mobile phones.
- Aforementioned features improved readability and ease of use for **100 %** of users.
- **Technologies Used:** HTML5, CSS, Javascript, and JQuery

Project Lead / AudiPoP

09/2018 — 09/2020

Python Development

Personal Project

- Successfully programmed a music player using python with an exceptionally clean UI
- Notable features include a volume rocker, skip to and previous song and a mute function.
- Aforementioned features improved ease of use, increased functionality for many users and allowed for a complete refactoring of the code base reducing the code by **27%** and a compilation time reduced by **2%**
- **Technologies Used:** Pygame and Tkinter

Project Lead / Minesweeper Clone

09/2016 — 05/2017

Terminal Game Development

Personal Project

- Created a simple minesweeper clone made with the curses library in C/C++.
- Notable features include a menu screen with user-changeable options to select your own minefield size and the number of mines.
- Aforementioned features allowed for a more enjoyable experience for **45%** of beginner players.
- **Technologies Used:** Curses Library

WORK EXPERIENCE

Brand Ambassador / Domino's

05/2021 — 06/2021

Staff Advisor Contact - Available on request

Work Experience

- Representing the brand at events and other marketing initiatives and providing customer service.
- Assisting in content creation, providing feedback and insight on new products.

Library Assistant / Toronto Public Library

09/2018 — 09/2020

Staff Advisor Contact - Available on request

Volunteer Experience

- Expanding support for routine tasks and special library projects.
- Enhancing the level and quality of customer services.

AWARDS AND CERTIFICATIONS

Honour Roll — All 4 Years of Highschool

2018 — 2022

JavaScript Algorithms and Data Structures — issued by freeCodeCamp

09/2021

Responsive Web Design Certification — issued by freeCodeCamp

07/2021

Grand Winner — issued by Explore Hacks

07/2021

Best First Time Hackers — issued by IBY Hacks+ 2021

06/2021

First Place Hackers — issued by Banana Hacks

06/2021