

# Tanmay Vaidya

Portfolio: [www.tvaidya.engineer](http://www.tvaidya.engineer)

Github: [www.github.com/tvaidya99](https://www.github.com/tvaidya99)

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## EDUCATION

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- Memorial University of Newfoundland** St. Johns, Canada  
*Bachelor of Engineering - Computer Engineering* 09/2019 - 05/2025  
*Courses:* Circuit Design, Data Structures, Microprocessors, Systems and Signals, Algorithms, Random Processes, Statistics

## SKILLS SUMMARY

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- Languages:** Python, PHP, C++, JavaScript, SQL, Bash, REACT, C#, JQuery
  - Frameworks:** .NET, NodeJS, ASP, Windows Services, Linux/Unix, Zabbix, django, ROS, REST API, DevOps
  - Tools:** Docker, GIT, MySQL, Microsoft Active Directory, Serial Integration, Visual Studio, SharePoint & MS Suite
  - Platforms:** Linux, Windows, Arduino, Raspberry, AWS, Microsoft Azure, GITLab & GitHub
  - Soft Skills:** Leadership, Event Management, Software Documentation, Public Speaking, Time Management & Planning, Project and Controls, Operations Management, Highly Productive

## EXPERIENCE

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- Wood PLC** St. Johns, NL  
*Robotics Science Student (Internship)* 09/2022 - 12/2022
    - Sensor Integration:** Designed Python driver to interface over Serial communication.
    - Reality Capture - Photogrammetry:** Addition of control points and using Reality Capture to create 3D models.
    - Linux Development:** Diagnosing and solving Linux OS issues and implementing a automatic backup system.
    - CSV/JSON Handling:** Creating Python & Bash scripts to store and parse data from log files.
  - NL Hydro** St. Johns, NL  
*Operation Technology (Internship)* 01/2022 - 04/2022
    - Windows Service Creation & Deployment:** Created a service to query & process data gathered from multiple databases on set interval.
    - ASP .NET Web Application Development:** Created .NET ASP based web application to display results queried from a SQL Database, with multiple tools and separate logins to manage entries.
    - Database Migration:** Disassembling Old Access database and temporary holding the data in macro coded MS Excel Workbooks.
  - Engineering Computing Services - Memorial University** St. Johns, NL  
*Jr. IT Technician (Internship)* 01/2021 - 05/2021
    - Hardware Troubleshooting and Assembly:** Assembling new computers for staff and faculty & troubleshooting hardware issues with faculty computers.
    - Zabbix Deployment:** Deployment of Zabbix Server Manager to efficiently manage multiple Linux and Windows Servers.
    - Technical Support:** Provided Software License and Hardware support to faculty and staff over email and phone.

## PROJECTS

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- Personal Profile Website (V2 - Work In Progress):** Personal Portfolio website programmed in REACT, HTML, CSS and typescript. (Present)
  - Python Serial Driver (Sensor Integration - Work Term 3):** Designed driver to interface with a Methane Sensor over Serial communication. Driver was highly adaptable for verity of devices with python installed. (11/2022)
  - .NET Visitor Logging System (Work Term 2):** Learned C# to develop a Windows Service to search visitor from card swipes and Query SQL Database and write a list of current visitors in the area (03/2022)
  - ASP .NET Front Web Application (Work Term 2):** Used .NET ASP Framework and JQuery to make and host a web application to display results from SQL data base and manage entries (Dynamically Updating). (04/2022)
  - Personal Profile Website (Current Website):** Portfolio website currently deployed at [tvaidya.engineer](http://tvaidya.engineer) and programmed in JavaScript, CSS and HTML. (01/2022)

## CERTIFICATIONS

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- Defensive Driving (Safety NL):** (01/2022)
  - WHIMS & OHS (Memorial University):** (09/2020)
  - British Computer Society (Level 2 Microsoft Office Suite):** (08/2016)

## VOLUNTEER EXPERIENCE

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- Conversation Partner Program ESL** St Johns, NL  
*Conducted online 1-on-1 sessions with new international students as part of ESL* 05/2020 - 08/2020
  - Electrical Team Member (Paradigm Hyperloop)** St. Johns, NL  
*Worked in a team for Boring Hyperloop Tunnel Design Project* 09/2020 - 09/2021