Tanmay Vaidya

Portfolio: www.tvaidya.engineer
Github: www.github.com/tvaidya99

Email: tvaidya@mun.ca
Mobile: +1-709-725-2557

EDUCATION

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

- **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

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

- **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 and programmed in JavaScript, CSS and HTML. (01/2022)

CERTIFICATIONS

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

VOLUNTEER EXPERIENCE

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*