

Tanmay Vaidya

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Address: St. John's, NL, A1E 3A3

EDUCATION

- Memorial University of Newfoundland** St. Johns, Canada
Bachelor of Engineering - Computer Engineering 09/19 to 05/25
Courses: Circuit Design, Data Structures, Microprocessors, Systems and Signals, Algorithms, Random Processes, Statistics

SKILLS SUMMARY

- Languages:** Python, PHP, C/C++, JavaScript, MySQL, Bash, REACT, JQuery, AngularJS, Java, Kotlin
- Frameworks:** .NET, Node.JS, ASP, Windows Services, Linux/Unix, Zabbix, django, ROS, REST API, DevOps, AWS
- Tools:** Docker, GIT, MySQL, Microsoft Active Directory, Serial Integration, Visual Studio, SharePoint & MS Suite
- Platforms:** Linux, Windows, Arduino, Raspberry, AWS, Microsoft Azure, GITLab & GitHub, Full Stack(Backend & Frontend)
- Soft Skills:** Leadership, Event Management, Software Documentation, Public Speaking, Time Management & Planning, Project & Controls, Operations Management, Highly Productive, Problem-Solving, Analytical

EXPERIENCE

- Wood PLC** St. Johns, NL
Robotics Science Student (Internship) 09/22 to 12/22
 - Sensor Integration:** Designed Python driver to interface over Serial communication and send data at 10Hz.
 - 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 an automatic backup system every 12 Hours.
 - CSV/JSON Handling:** Creating Python & Bash scripts to store and parse data from log files.
- NL Hydro** St. Johns, NL
Operation Technology (Internship) 01/22 to 04/22
 - 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.
 - Project Planning and Implementation:** Worked on a solution to simplify visitor log keeping and decreased the data entry speed by 80%.
 - 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) 01/21 to 05/21
 - 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 24/7 automatically.
 - Technical Support:** Provided Software License and Hardware support to faculty and staff over email/phone and resolved 12-15 support tickets daily.

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. (11/22)
- .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. (03/22)
- 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). (04/22)
- Personal Profile Website (Current Website):** Portfolio website currently deployed at tvaidya.engineer and programmed in JavaScript, CSS and HTML. (01/22)

CERTIFICATIONS

- Defensive Driving (Safety NL):** (01/22)
- WHIMS & OHS (Memorial University):** (09/20)
- British Computer Society (Level 2 Microsoft Office Suite):** (08/16)

VOLUNTEER EXPERIENCE

- Electrical Team Member (Paradigm Hyperloop)** St. Johns, NL
Worked in a team for Boring Hyperloop Tunnel Design Project. 09/20 to 09/21
- Conversation Partner Program ESL** St Johns, NL
Conducted online 1-on-1 sessions with new international students as part of ESL. 05/20 to 08/20