

Tanmay Vaidya

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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

EXPERIENCE

- Michelin North America** New Glasgow, NS
IT Controls Engineer (Co-op) (Internship) 05/23 to 08/23
 - Compliance Checks:** Conducted regular audits, identified and remediated security vulnerabilities, and implemented security controls.
 - Hardware Maintenance:** Diagnosed and fixed hardware issues using troubleshooting, system analysis, and component replacement.
 - Network Management:** Collaborated with the team to monitor network traffic, resolve network problems, and implement disaster recovery plans.
 - Risk Mitigation:** Developed contingency plans for equipment failure to prevent production downtime.
 - Skills:** Security Auditing, Hardware Troubleshooting, IT Asset Management, Network Management, Network Security, Contingency Planning
- Wood PLC** St. John's, 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:** Gathered data from site visits and created 3D models using RealityCapture.
 - Linux Development:** Resolved Linux OS issues and implemented an incremental backup system every 12 Hours.
 - CSV/JSON Handling:** Developed Python & Bash scripts to store and parse data from log files.
 - Skills:** Python, Linux, Serial Communication, RealityCapture, 3D Modeling, Bash Scripting, Data Analysis
- NL Hydro** St. Johns, NL
Operation Technology (Internship) 01/22 to 04/22
 - Windows Service Creation & Deployment:** Built a service to query & process data gathered from three separate databases on set intervals.
 - ASP .NET Web Application Development:** Deployed .NET ASP based web application Merged to display results queried from a SQL Database, with multiple tools and separate logins to manage entries.
 - Project Planning and Merged Implementation:** Upgraded the visitor tracking system resulting in decrement in data entry speed by 80%.
 - Database Migration:** Disassembled old Access database and temporary holding the data in macro coded MS Excel Workbooks.
 - Skills:** Windows, .NET, ASP, SQL, Web Development, Project Management, Database Migration
- Engineering Computing Services - Memorial University** St. Johns, NL
Jr. IT Technician (Internship) 01/21 to 05/21
 - Hardware Troubleshooting and Assembly:** Assembled new computers for staff and faculty & troubleshoot hardware issues with faculty computers.
 - Zabbix Deployment:** Installed Zabbix Formalized Formalized Server Manager to efficiently manage multiple Linux and Windows Servers 24/7 automatically.
 - Technical Support:** Provided software license and hardware to faculty & staff and resolved 12-15 support tickets daily.
 - Skills:** Hardware, Zabbix, Linux, Windows, Technical Support, Customer Service

PROJECTS

- Python Serial Driver (Sensor Integration - Work Term 3):** Designed driver to interface with a Methane Sensor over Serial communication, which was adapted for multiple . (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):** Utilized .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)
- Barcode Scanner Application(Work Term 4):** Cross platform React Native application.Application to take input from Barcode scanner and perform operation on Database to provide visual feedback to the operator. (04/22)