

Tanmay Vaidya

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EDUCATION

- Memorial University of Newfoundland** St. Johns, Canada
• *Bachelor of Engineering - Computer Engineering* 09/19 to 05/23
Courses: Mobile Dev., Data Structures, Microprocessors, Software Dev. Practices, Algorithms, Mobile Software Dev.

EXPERIENCE

- Michelin North America** New Glasgow, NS
• *IT Controls Engineer (Co-op) (Internship)* 05/23 to 08/23
 - **Skills:** Security Auditing, Documentation, IT Asset Management, Network Management, Network Security, Contingency Planning, Dart, Flutter, React Native (Cross Platform), Pascal
 - **Compliance Checks:** Conducted regular audits, identified and remediated security vulnerabilities, and implemented security controls.
 - **Hardware Maintenance:** Diagnosed and fixed hardware issues using system analysis, and component repairs.
 - **Network Management:** Collaborated with the team to monitor network traffic, installed Cisco Switches, and implemented disaster recovery plans.
- Wood PLC** St. John's, NL
• *Robotics Science Student (Internship)* 09/22 to 12/22
 - **Skills:** Python, Linux/Unix Development, Serial, RealityCapture, 3D Modeling, Bash Scripting, Docker
 - **Sensor Driver Development:** Designed Python driver to interface over Serial communication (10Hz), which stored processed data to a JSON file.
 - **Reality Capture - Photogrammetry:** Gathered data from site visits and created 3D models using RealityCapture.
 - **Custom Driver Integration:** Successfully integrated custom drivers, and software modifications to Spot robot.
- NL Hydro** St. Johns, NL
• *Operation Technology (Internship)* 01/22 to 04/22
 - **Skills:** Windows Service Development, .NET, ASP, MySQL, Web Development, Project Management, C++, C#
 - **Windows Service 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 Implementation:** Upgraded the visitors tracking system resulting in decrement in data entry speed by 80%.
- Engineering Computing Services - Memorial University** St. Johns, NL
• *Jr. IT Technician (Internship)* 01/21 to 05/21
 - **Skills:** Troubleshooting, Zabbix, Linux Development, Windows OS Recovery and Repair, Data Recovery, Consumer Service
 - **Hardware Troubleshooting:** 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.

PROJECTS

- **Flight Price Scraper:** Created an automated flight price scraper & alert program using selenium. (11/22)
- **.NET Visitor Logging System (Work Term 2):** Learned C# to develop a Windows Service to search visitors 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)