

# Tanmay Vaidya

Email: [tvaidya@mun.ca](mailto:tvaidya@mun.ca)

Portfolio: [tvaidya.me](http://tvaidya.me)

Mobile: 709-725-2557

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

Address: St. John's, NL

## EDUCATION

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- Memorial University of Newfoundland** St. Johns, Canada  
• *Bachelor of Engineering - Computer Engineering* 09/19 to 05/24  
*Courses:* Mobile Dev., Data Structures, Microprocessors, Software Dev. Practices, Algorithms, Mobile Software Dev.

## EXPERIENCE

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- Michelin North America** New Glasgow, NS  
• *IT Controls Engineer (Co-op) (Internship)* 12/24 to 04/24
  - **Skills:** UNIX Development, Project Management, Asset Management, Hardware Deployment, VM Deployment & Management
  - **UNIX Development:** Spearheading, developing and implementing a secure Linux image, utilizing company utilities and adhering to industry standards.
  - **Security Management:** Applied IT controls and security best practices by configuring Active Directory authentication for enhanced system integrity.
  - **System Upgrade:** Worked to transition from legacy operating systems to modern platforms, ensuring compliance with industry standards and security protocols.
- Michelin North America** New Glasgow, NS  
• *Information Systems 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%.

## PROJECTS

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- **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)