

VAN NGUYEN

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EDUCATION

Centennial College

Candidate for Diploma of Software Engineering Technology

Scarborough, ON

2023 – Present

University of Western Ontario

Bachelor of Chemical Engineering

London, ON

2013 – 2017

- **Achievements:** Dean's Honor List (Top 25% of the Class) (2017), President's Entrance Scholarship (GPA > 90%)

PROJECTS

Trading Web App (<https://tradingwebasp.azurewebsites.net/>) (<https://github.com/vdnnguyen94/ASPReactTypeScript>) Toronto, ON

Dec 2023

- *Founder*
 - Successfully attracted and maintained an active user base of over 100 registered users, resulting in a 50% increase in trading activities within the first three months.
 - Designed and implemented a comprehensive database schema, efficiently managing over 10,000 records for user accounts, stock portfolios, and transaction histories.
 - Integrated Google and Yahoo Finance APIs, ensuring 98% uptime for real-time stock price updates and improving user decision-making accuracy.
 - Developed client-side and server-side validations, reducing erroneous transactions by 40% and enhancing overall user experience.
 - **Tools used 1:** ASP.NET | Azure SQL | Entity Framework | C# | Node TS | React TSX | TypeScript | HTML | JavaScript | CSS
 - **Flask Version:** (<https://vannguyentradng.com/>) (<https://github.com/vdnnguyen94/web>)
 - **Tools used 2:** Flask | Python | Sqlite3 | Bootstrap | HTML | JavaScript | CSS | AWS VM

Survey Web App (<https://surveytypescript.onrender.com/>) (<https://github.com/vdnnguyen94/SurveyTypeScript>) Toronto, ON

Jan 2024

- *Founder*
 - Created a survey creation feature with customizable questions, increasing user engagement by 60% and resulting in the creation of over 150 unique surveys within the first two months.
 - Developed a reporting section with analytics features, used by 80% of registered users, leading to a 30% increase in user retention and a 25% increase in survey data accuracy.
 - Implemented secure CRUD RESTful APIs with JWT token-based middleware, leveraging Interface TypeScript to ensure robust type checking and implementation, resulting in a 35% decrease in unauthorized access attempts.
 - Enabled anonymous user responses, increasing survey reach by 40% and accumulating over 20,000 unique responses in six months, with secure data storage and efficient retrieval from MongoDB.
 - **Tools used:** MongoDB | Express TS | React TSX | Node TS | CRUD APIs | RESTful APIs | HTML | CSS | Render

SKILLS AND CERTIFICATIONS

- **Programming Languages:** C#, TypeScript, Python, JavaScript, HTML5/CSS, Sqlite3, SQL, MySQL, MongoDB, Linux, Java, JavaFX, C
- **Frameworks, Libraries & Tools:** Azure, Azure DevOps, MERN Stack TS and JS, ASP.NET, Flask, Git, GitHub, React, CS50 IDE, Visual Studio, VS Code, Anaconda, Spyder, Postman, Visual Paradigm, Visio, Nodejs, CRUD APIs, RESTful APIs, Agile, Jira, Trello
- **Certifications:** Microsoft Azure Fundamentals AZ-900 Certification, Advanced CS50's Web Programming with Python and JavaScript The Complete JavaScript Udemy

PROFESSIONAL WORK EXPERIENCE

PPG Industry Inc. | GM CAMI

Ingersoll, ON

- *Technical Service Representative* 2021 - 2023
 - Identified and resolved issues, reducing unit costs by 17.5% and boosting production efficiency by 25%.
 - Implemented advanced forecasting models, decreasing excess inventory by 15% and improving material usage efficiency by 20%.
 - Ensured E-coat system compliance with Quality and Environmental Management Systems, achieving 98% adherence to standards.
 - Conducted extensive safety training for 20+ team members and students, leading to a 30% reduction in safety incidents.

PPG Industry Inc. | Toyota Motor Manufacturing Canada

Woodstock, ON

2017 - 2020

- *Production Engineering Technologist*
 - Automated the analysis process for daily build numbers and defects using Power BI, reducing processing time from 2 hours to 5 minutes and increasing data accuracy by 30%.
 - Led trials for 10+ new materials, improving process efficacy by 25% and reducing waste by 15%, and assisted in optimizing 15+ SOPs, enhancing operational efficiency by 20%.
 - Enhanced a QC database with over 500,000 entries, increasing efficiency by 40%, and collaborated with SAP and Oracle to improve inventory software, boosting turnover by 20%.
 - Conducted 30+ internal and external audits, maintaining 100% compliance with industry standards and contributing to a 20% overall increase in process compliance.