

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%)

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

- *Production Engineering Technologist*

2017 - 2020

- 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.

PROJECTS

Trading Web App (<https://vannguyentrading.dev/>)

Toronto, ON

- *Founder*

Aug 2023

- 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:** Python | Sqlite3 | Flask | API | Git | Linux | AWS | HTML | JavaScript | CSS

Survey Web App (<https://surveyappvannguyen.onrender.com>)

Toronto, ON

- *Founder*

Oct 2023

- 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, 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:** JavaScript | MongoDB | Express | React | Node | CRUD APIs | RESTful APIs | HTML | CSS | Render

SKILLS AND CERTIFICATIONS

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