

VAN NGUYEN

www.vannguyen.dev

<https://github.com/vdnnguyen94>

Toronto, ON

t: (519) 902-4060

e: vdnnguyen94@gmail.com

OBJECTIVE

A highly motivated individual seeking a Software Engineer Co-op Position to leverage my skills in web development, data analysis, and process optimization.

QUALIFICATIONS

- Strong analytical skills, attention to detail, and problem-solving abilities.
- Proficient in web development with expertise in utilizing frameworks such as Flask, Django, and the MERN stack.
- Familiarity with databases, including Oracle SQL, MySQL and MongoDB and hands-on experience in data analysis.
- Proven proficiency in Git for version control and demonstrated comfort working in a collaborative Agile environment.
- Excellent communication and interpersonal skills developed through coursework and projects.
- Track record of implementing, troubleshooting, and thoroughly documenting software solutions, utilizing Git for version control, unit testing, and other best practices.

Programming Languages, Frameworks & Tools

- Experienced: Python, JavaScript, C#, HTML5/CSS, Sqlite3, SQL, MySQL, MongoDB, Linux, Django, Java, JavaFX
- Familiar: C++, C, Scratch, Agile, MATLAB, LabVIEW
- Frameworks, Libraries & Tools: MERN Stack, Flask, CS50 IDE, Visual Studio, VS Code, Anaconda, Spyder, Postman, Visual Paradigm, Visio, Git, GitHub, React, Nodejs, CRUD APIs, RESTful APIs

Certifications and Trainings

- Advanced CS50's Web Programming with Python and JavaScript | Completed 75%+ problem sets | Harvard University
- CS50 Certificate obtained by scored at least 70% on all problem sets and final projects | Harvard University | David J. Malan
- Udemy | The Complete JavaScript Course | Wordle, Blackjack, solved 100 JavaScript problems | Jonas Schmedtmann

PROJECTS

Trading Web App

Python | Sqlite3 | Flask | API | Git | Linux | AWS | HTML | JavaScript | CSS

- Implemented client-side and server-side validations for account registration, stock trading, and user interactions.
- Utilized Google and Yahoo Finance API for real-time stock price updates.
- Developed a secure user session system for personalized experiences.
- Designed and implemented a robust database schema for user accounts and transaction history.

Survey Web App

JavaScript | MongoDB | Express | React | Node | CRUD APIs | RESTful APIs | HTML | CSS | Render

- Implemented end-to-end user management, including registration, login, logout, and profile modification, enhancing security with MongoDB for data storage.
- Designed and implemented a user-friendly survey creation feature, allowing customization of survey questions and templates, promoting a dynamic user experience.
- Enabled anonymous users to respond to active surveys, ensuring inclusivity and expanding survey reach, with secure storage of responses in MongoDB for future analysis.
- Developed a secure reporting section with advanced analysis capabilities, allowing registered users to gain insights into survey performance and export statistics for various use cases.

VAN NGUYEN

www.vannguyen.dev

<https://github.com/vdnnguyen94>

Toronto, ON

t: (519) 902-4060

e: vdnnguyen94@gmail.com

WORKING EXPERIENCE

PRODUCTION ENGINEERING TECHNOLOGIST

Woodstock, ON

PPG INDUSTRY INC. | Toyota Motor Manufacturing Canada

2017 – 2020

Excel/Macro | LIMS | Oracle SQL | HMI | PLC | SCADA | Visio

- Developed high-performance computing and data management skills to support QC database.
- Coordinated with SAP and Oracle programmers to enhance inventory management software.
- Conducted engineering trials for new materials and equipment to enhance process efficacy.
- Assisted management with the development of SOPs (Standard Operating Procedures).
- Conducted internal, client, vendor, and regulatory audits.
- Maintained site files of research, projects, and quality control documentation.

TECHNICAL SERVICE REPRESENTATIVE

Ingersoll, ON

PPG INDUSTRY INC. | GM CAMI

2021 – 2022

- Detected and fixed issues in the manufacturing process, reducing unit cost by 17.5%.
- Implemented advanced demand forecasting models, reducing excess inventory by 15%.
- Maintained the E-coat system to ensure compliance to all Quality Management System and Environmental Management System standard
- Conducted safety training and chemical handling for team members and students

EDUCATION

Centennial College

Scarborough, ON

Candidate for Diploma of Software Engineering Technology

2023 – Present

University of Western Ontario

London, ON

Bachelor of Chemical Engineering

2013 – 2017

Achievements

- Dean's Honor List awarded for attaining grades in the top 25% of the class | Winter 2017
- \$2,000 President's Entrance Scholarship awarded for achieving an above 90% overall average in senior high school | 2013