

# VAN NGUYEN

www.vannguyen.dev

<https://github.com/vdnnguyen94>

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## OBJECTIVE

A highly motivated individual is seeking a Software Developer Intern opportunity to utilize my work experience as well as my knowledge gained from education to dedicate myself to the growth of the organization.

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## QUALIFICATIONS

- Extensive exposure to software development, relational databases, as well as problem solving skills gained through side projects and courseware on CS50 and Udemy
- Minimum of 2 years of hands-on experience in C# development and strong relational database projects
- Successfully deploy and host a stock trading web application on AWS server with 50+ users
- Ability to analyze and troubleshoot software defects and performance issues.
- Experience using Git/GitHub for version control
- Develop excellent leadership, teamwork, strong interpersonal and communication skills through group project
- Advanced Microsoft Excel, PowerPoint, Word skills demonstrated by extensive research and working experience
- Analytical thinking and problem-solving skills developed through challenging engineering program

### Programming Languages, Frameworks & Tools

- Experienced: Python, C/C#, HTML5/CSS, JavaScript, Sqlite3, SQL, Linux, Django
- Familiar: Java, C++, MATLAB, LabVIEW, Scratch, Git, GitHub
- Frameworks & tools: CS50 IDE, Anaconda, Spyder, Visual Studio, VS Code, Visual Paradigm, Visio

### Certifications and Training

- 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 JSchmedtmann

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## PROJECTS

### Trading Web App

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

- Enforcing client-side and server-side validations for registering account, signing in, buying, and selling stocks
- Using Google and Yahoo Finance API to obtain stock price and company name from stock symbol
- Automatic updating customers' stock portfolio data
- Strong database design for users' accounts, users' stocks, and transactions history

### Banking App

C# | .NET | OOP | JSON

Loading customer accounts from JSON file  
Allowing customer to register new bank account and log in  
Validating user inputs using keyboard events  
Performing withdrawal and deposit transactions  
Updating customer balance  
Storing customer accounts into JSON file

### Image Filters App

C | Bitmap

Taking an image and prompting user for filter option  
Turning the image into a black and white version by the grayscale function  
Reflecting the image horizontally  
Creating a box-blurred version of the same image  
Highlighting the edges between objects of the image

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## WORKING EXPERIENCE

### PRODUCTION ENGINEERING TECHNOLOGIST

Woodstock, ON

PPG INDUSTRY INC. | Toyota Motor Manufacturing Canada

Oct 2017 – Jan 2020

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

- Developed high-performance computing and data management skills to support QC database (Excel spreadsheet, Macro, LIMS, and Oracle SQL) which results in significant time savings by one hour
- Coordinated with SAP and Oracle programmers to develop features and enhance UI UX for inventory management software which led to an increase customer satisfaction and a decrease in time-to-delivery by 20%
- Coordinated with Maintenance Team to set up, adjust equipment's in automation system for production line such as HMI, PLC, and SCADA
- Ensured logical behavior of subsystems of production design for E-coat bath and wastewater treatment for production startup and shutdown
- Planned and conducted engineering trials for new application of materials and equipment to enhance process efficacy and to minimize operating cost
- Generated graphs and reports for internal and external meetings
- 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 documentations

### TECHNICAL SERVICE REPRESENTATIVE

Ingersoll, ON

PPG INDUSTRY INC. | GM CAMI

Oct 2021 – Sep 2022

- Detected and fixed issues in the manufacturing process that reduced 17.5% of the unit cost with zero effect on product quality
- Supported production line through multiple process improvements resulting in over \$30k in cost savings per year
- Coordinated closely with production managers to align production schedules with inventory availability, ensuring production demands were consistently met
- Implemented advanced demand forecasting models, resulting in a 15% reduction in excess inventory and a 10% increase in on-time deliveries.
- 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

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## EDUCATION

Centennial College

Scarborough, ON

*Candidate for Diploma of Software Engineering Technology*

January 2023 – Present

University of Western Ontario

London, ON

*Bachelor of Chemical Engineering*

September 2013 – April 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