







# DUY NGUYEN (JIMMY) VO

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## SUMMARY

- An honor roll Business Information Technology (BIT) student at Red River College with many awards, scholarships and outstanding achievements
- A software engineer with an Electrical Engineering background and 1.5-year experience in a global company
- An active GitHub contributor and an excellent tutor with a passion in sharing his knowledge
- A fast learner, and a supportive leader with the ability to categorize and automate software development process

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## WORK AND RELATED EXPERIENCE

### Jr. Software Developer

*January 2019 - Currently*

*24-7 Intouch, Winnipeg, MB, Canada*

- Work alongside a team of developers building tools to improve business operations and the lives of our global workforce
- Work in a fast-paced agile software development environment
- Develop applications that are used by thousands of people daily and interface with multiple systems
- Interact with product stakeholders to show off your work and gain feedback

### Researcher

*June 2018 - Currently*

*ACE Project Space, Red River College, Winnipeg, MB, Canada*

- Developed project objectives, workplans and implement strategy on the system architect
- Assisted the research team with the most difficult issues such as communications and protocols
- Researched and developed a Bluetooth plug-in for VR applications with Unity, Android Studio and Visual Studio

### Embedded Software Engineer

*May 2016 – July 2017*

*HELLA, Ho Chi Minh city, Vietnam*

- Offered a promotion and invited by Chinese engineers to be a team leader on Radio Frequency Receiver technology
- Performed software design, maintenance, bugs fix in 4 projects at the same time
- Completed one of Chinese customer projects from the first phase to the Start-Of-Production (SOP)
- Supported a German system engineer to debug remotely on the first demonstration of NFC in Germany

### Embedded Developer

*January 2014 – July 2014*

*VSKYLINE, Ho Chi Minh city, Vietnam*

- Researched and developed embedded solutions in unmanned aerial vehicle (UAV) system
- Designed hardware schematics/layouts and software for UAV modules
- Performed system integration and testing on flying prototypes

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## EDUCATION

### Business Information Technology Diploma

*August 2017 - Current*

*Red River College, Winnipeg, MB, Canada*

Application Development, Database management, Web Development, Web Security, Technology in Business

### Bachelor of Engineering

*August 2010 - May 2016*

*HCM University Of Technology, Ho Chi Minh city, Vietnam*

Electrical - Electrical Engineering, Electronics - Telecommunication, Embedded System Software and Hardware

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## SKILLS

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### Unity Development

- Hands on experience with C# script in Unity
- 3D objects and common components such as physics and animations
- Developed cross platform with \*.dll, \*.aar and \*.jar
- Deployed an VR game to Google Play

### Mobile Development

- Java, XML and UI design (Android Studio)
- Deployed the applications to Google Play
- Analyzed, designed, and developed complex code bases, software systems, including API design techniques

### Web Development and Database

- HTML, CSS, JavaScript, PHP, Razor
- React, ThreeJS, ASP.NET, Entity Framework, MVC
- Python, Jinja, Flask Framework, PyCharm
- Web services and HTTP protocol
- Service worker, Web application
- XML, JSON, Oracle/MS SQL, PhpMyAdmin, XAMPP
- Internet Security: SQL Injection, Cross Site Scripting

### Application Development

- C#, VBA, XML and UI design
- .NET application development (Visio Studio)
- Experience implementing modular, testable, and robust solutions

### Server/Network Administration

- TCP/IP and the OSI Model
- Experience Linux environment, using SSH and related tools
- Configuring routers and switches
- Configuring DNS, implementing group policies, modifying and troubleshooting MS Window Server

### Data Science

- Kalman filter (KF, EKF), Gradient descent
- Computer vision (OpenCV)
- Data encryption, signal modulation (RF)

### Embedded Automotive

- Model base, manual code, code generation for all standard tools
- Module test, integration test, regression test
- CANoe, IAR, CppUTest, Tessy, Rhapsody, IBM DOORS
- Software Components: UDS Diagnostics, Active/passive Entry, UDS Diagnostics, RF receiver stack, NFC stack
- Basic Software: Diag Stack (DEH, IsoTP); System Stack (SysStateM, BleM, ucDrv, Gpt); Memory Stack (NvM); Io Stack (AdcDrv, DioDrv, SpiDrv, TauDrv)

### Embedded System

- Control/Sensors: ultrasonic, EPPROM, DMA, gyroscope, accelerate-meter, magneto-meter, RF receivers, NFC, capacity touch sensor
- Protocol: UART, SPI, I2C, GPIO, SDIO, CAN, LIN

### Embedded Software

- C/C++ and assembly (Keil, IAR)
- MATLAB m-script, model base and C-file generation for embedded applications
- Experienced in independently designing, developing and testing of software module level API's
- Developed configuration tools for different variants of an embedded platform

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## AWARDS AND HONOURS

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### Paterson GlobalFoods Business Administration Award

September 30, 2018

*Paterson GlobalFoods*

Demonstrated career aspirations and volunteer activity in the community and displayed a strong work ethic in class with a minimum GPA of 3.00.

### Honor Roll Certificate - Second Term

October 22, 2018

*Applied Computer Education Department, Red River College*

GPA above 3.8: Second term (4.20)

### Applied Computer Education Department Award

June 7, 2018

*Applied Computer Education Department, Red River College*

Criteria include a letter of recommendation from an instructor, a portfolio of work, a grade report, as well as an essay that describes the experience in the program, career aspirations, and include examples of class leadership.

## **Great-West Life Award**

June 7, 2018

*Great-West Life*

Criteria include financial need, a strong academic record (minimum cumulative GPA of 3.00), as well as an essay or letter outlining volunteerism/community involvement.

## **School of Business and Applied Arts Bursary**

February 16, 2018

*Red River College*

Red River College award endowment fund, established in part from contributions from the Province of Manitoba's Manitoba Scholarship and Bursary Initiative and from funds established at The Winnipeg Foundation.

## **Honor Roll Certificate - First Term**

December 15, 2018

*Applied Computer Education Department, Red River College*

GPA above 3.8: First term (4.45)

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## **VOLUNTEER ACTIVITIES**

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### **Peer Tutor**

January 2018 - Currently

*Red River College, Winnipeg, MB, Canada*

Assisted students with programming skills

### **Education Assistant**

March 2018 - December 2018

*Red River College, Winnipeg, MB, Canada*

Assisted the instructor in the course Network Computing 1, Data Management 2

### **Representor**

August 27 2018

*Orientation Day, Red River College, Winnipeg, MB, Canada*

A new-students-welcome day with the campus tour and orientation session

### **Sessions Organizer**

June 5, 2018 - June 6, 2018

*Prairie Developer Conference, Winnipeg, MB, Canada*

A 2-day event provided a high-quality professional development opportunity locally, without the high costs of travel and accommodation typically associated with remote conferences

### **Guest Speaker**

May 24, 2018

*The Campus tour, Red River College, Winnipeg, MB, Canada*

A day tour where international and ESL students come to see the college's facilities and the college lives.

### **Session Organizer**

April 12, 2018

*DigiGirlz Day 2018, Microsoft, Winnipeg, MB, Canada*

A great event hosted by Microsoft that RRC have had the fun and privilege to assist with for several years.

### **Student Representative, Activity Facilitator**

February 20, 2018

*RRC Open house 2018, Red River College*

An event held by RRC to provide RRC's program tour

### **Note Taker**

February 1, 2018

*DisruptED 2018, Red River College*

An event sponsored by leading institutes (University of Manitoba, RRC) and the giants in the industry (DELL, INTEL, CISCO, IBM), to explore the future of work.