DUY NGUYEN VO (JIMMY)

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HIGHLIGHTS OF QUALIFICATIONS

- A Red River College(RRC) student with all As (GPA: 4.23)
- A flexible, fast learner, and a supportive leader with the ability to categorize and automate software development process.
- Wide knowledge in various areas such as embedded systems, mobile platforms, database, web and application development with one-year experience as an automotive software engineer in a global company
- Strong analytical, problem solving, decision making, organizational, time management and multi-tasking skills under high pressure (4 projects at the same time)
- Strong interpersonal and communication skills achieved from multi-cultural workplace (Chinese and German)

TECHNICAL SKILLS

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 & Database
- HTML, CSS, JavaScript, PHP
- Web services and HTTP protocol
- XML, JSON, Oracle SQL, PhpMyAdmin
- Internet Security: SQL Injection, Cross Site Scripting

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

Game Development
- Hands on experience with C# script in Unity
- 3D objects and common components such as physics and animations

Financial Accounting
- Understand business activities and financial accounting principles
- Hands on experience with Sage50

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)

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

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

Embedded Hardware
- Designed 2-layer PCB layout and schematic
- Proficiency in the use of soldering and measurement equipments

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EDUCATION

Business Information Technology Diploma   Currently
Red River College, Winnipeg, Manitoba, Canada

Electrical – Electronics Engineering Degree   April 2016
Ho Chi Minh City University of Technology, Vietnam

WORK AND RELATED EXPERIENCE

Peer Tutor   January 2018 - Currently
Red River College, Winnipeg, Manitoba, Canada
- Assisted students with programming skills (Web Development 1, Programming 2)
- Identified and filled out the students' learning needs by reasoning and visualization

Instructor   May 2018
Technology Camps, Red River College, Winnipeg, MB, Canada
- Explained the technologies used in Web Development, Database. Networking and Web Security
- Led the discussion about ethical hacking
- Instructed the children to create a simple website with database integrated and to enhance the security

Embedded Software Engineer   May 2016 – July 2017
Hella Vietnam, Ho Chi Minh city, Vietnam
- Offered a promotion and invited by Chinese engineers to be a team leader on Radio Frequency Receiver technology
- Discussed with Chinese system engineers on the intermediate sleep/wakeup error that happened on some defective cars; convinced them to deal with the customer to accept my temporary solution to a bad hardware design existing from the first phase
- Supported a German system engineer to debug remotely on the NFC prototype
- Guided my team members remotely on the first demonstration of NFC in Germany

VOLUNTEER ACTIVITIES

Education Assistant   March 2018 - Current
Assisting the instructor in the course Network Computing 1
- Indicated the issues, helped students with troubleshooting and explained network behaviors
- Helped students with Cisco Lab exercises in Open Lab periods

Canadian Inventory Project   January 2018 – February 2018
An Android project sponsored by RRC to improve an inventory system in Canadian stores
- Led the team on the software architecture and kept the software clean and maintainable
- Built a two-way peer review process
- Trained the team members on Android development and new technologies

Unity Workshops   March 2018 - April 2018
Series of workshops held by Dylan Fries biweekly to introduce Unity developers' skill sets
- Set up training materials
- Explored digital media world and many pieces of Unity

RRC Open house 2018   February 2018
An event held by RRC to provide RRC's program tour
- Prepared LEGO Mindstorms demonstration
- Represented RRC's students to answer CTV interview questions about LEGO Mindstorms
- Led the Coding-And-Networks-Games room, introducing high school students to basic concepts of programming

DisruptED 2018   February 2018
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.
- Hosted an unconference on how to bridge the digital divides
- Took notes in the unconference and reported to the event coordinator
- Discussed VR technology and start-up with young talents from high school in Winnipeg