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| **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 * Wide knowledge in various areas such as embedded systems, mobile platforms, database, web/application development, games and graphic designs * Strong communication skills achieved from multi-cultural workplace (Chinese and German) * Proven success in achieving outcomes under pressure managing multiple projects and responding to varying needs of multidisciplinary teams simultaneously | |
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| **WORK AND RELATED EXPERIENCE** | |
| |  |  | | --- | --- | | **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 | | | |
| |  |  | | --- | --- | | **Peer Tutor** | *January 2018 - Currently* | | *Red River College, Winnipeg, MB, Canada*   * Assisted students with programming skills (Web Development 1, Programming 2) * Identified and filled out the students’ learning needs by reasoning and visualization | | | |
| |  |  | | --- | --- | | **Technology Camps Instructor (3 days)** | *May 2018* | | *Red River College, Winnipeg, MB, Canada*   * Explained the technologies used in Web Development, Database. Networking and Web Security * Led the discussion about ethical hacking and build up a simple website with database | | | |
| |  |  | | --- | --- | | **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 | | | |
| |  |  | | --- | --- | | **Assistant Embedded Developer** | *July 2013 – February 2014* | | *ROBOTECH, Ho Chi Minh city, Vietnam*   * Developed embedded solutions for Radar trucks in the military industry * Assisted the team on improving the performance of estimation algorithms | | | |
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| **SKILLS** | |
| |  |  |  |  | | --- | --- | --- | --- | | |  | | --- | | **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 * 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** | |
| |  |  | | --- | --- | | **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, and examples of class leadership. | | | |
| |  |  | | --- | --- | | **Great-West Life Award** | *June 7, 2018* | | *Great-West Life*  Criteria include financial need, a strong academic record, as well as 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, Second Term** | *December 15, 2018* | | *Applied Computer Education Department, Red River College*  GPA above 3.8: First term (4.45), Second term (4.20) | | | |
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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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| **VOLUNTEER ACTIVITIES** | |
| |  |  | | --- | --- | | **Education Assistant** | *March 2018 - Current* | | *Red River College, Winnipeg, MB, Canada*  Assisting 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. | | | |
| |  |  | | --- | --- | | **Project Team Leader** | *January 2018 – February 2018* | | *Canadian Inventory Project, ACE Project Space, Red River College*  An Android project sponsored by RRC to improve an inventory system in Canadian stores | | | |
| |  |  | | --- | --- | | **Workshop Organizer** | *March 2018 - April 2018* | | *Unity Workshops, New Media Manitoba*  Series of workshops held by Dylan Fries biweekly to introduce Unity developers’ skill sets | | | |
| |  |  | | --- | --- | | **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. | | | |
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