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| **Summary of Working Experience** |
| 8 years experiences in computer vision & image processing technologies, including machine vision inspection, biological computation simulation and visualization:   * Delivered 4 industries used products. * Prototyped 4 in-house machine vision solutions. * Leading a machine vision solution research to achieve fastest, highest aperture count (more than 1 million apertures, 75 micron in diameter), 100% inspection coverage, quality inspection tools for wafer bumping and solar industry stencil. * Designed and developed 2 bio-modeling simulation and visualization during master research. Published 2 journal papers. |
| 6 years experiences in Artificial Intelligent including Neural Network, Fuzzy logic and Genetic Algorithm (GA):   * A seasonal developer of AI components (i.e. Solving Vehicle Routing Problem using GA); code available online for students. * Designed and developed Neural-Fuzzy algorithm for ATM network simulation during undergraduate study. * Supervised 2 master students in Genetic Algorithm research and implementation. |
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| 2 years experience in Semantic Technology including:   * 2 conference papers submitted; 4 patent pending applications in progress. * Developed 1 Image Understanding prototype system using multiple low-level visual features incorporate in ontology for objects identification and image annotation. * Linking Image Understanding prototype to Linked Open Data (LOD) to enrich image content and annotate images by constructing conceptual graph as knowledge representation. * Developed 1 prototype named Ontology Independent Question Generator. * Organized 2010 and 2011 Semantic Technology and Knowledge Engineering conferences. |
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| 13 years experiences in software development in-depth knowledge in Visual C#, Visual C++, C, Java & Web development technology:   * 4 years of experience in Visual C# in successfully delivered 4 industries used machine vision solution from user requirements stage implementation. * 2 years of experience in Visual C# integration with existing framework successfully delivered 1 automation system from system design until on site production testing, adopting CMMI Level-3 process. * 1 year development of bio-information web portal until 1st phase delivery using PHP, MySQL, AJAX technologies. * 2 years of experience in Visual C++ for software development and testing. * 2 years of experience in C/C++/OpenGL for biological computation system prototype research & development. * 2 years of JAVA & Web Service experience in delivered 4 software components integrated into existing SOA designed platform, adopting CMMI Level-5 process. |
| 5 years experiences of entrepreneurship including:   * Secured a total of RM500k government award grant * Secured a total of 4 customers contributing a total of RM120K company revenue. * 2 years experience in pre-sale, sale and post-sale activities. |