TAN SIEOW YEEK

Career Objective

- To demonstrate strong management ability and leadership skills in a multinational corporate working environment.
- To work and learn together with great and visionary leaders in bringing out the best in people across an organization.
- To work in a dynamic and positive atmosphere which promote creative and innovation culture with great team that has strong passion and enthusiasm.

Summary of Working Experience

2 years of experiences in Big Data Analytics in HP, involving technologies such as SAS, Hadoop, Autonomy and Vertica.

- Led a team of 4, delivered 2 Hadoop-based proof-of-concept.
- Led a team of 2, delivered 2 Autonomy-based proof-of-concept.
- Delivered 6 white papers, received center-wide Top Paper award and HP CIO Recognition on Outstanding Idea Award.
- Driving the usage of cutting-edge technology, such as Hadoop and Autonomy, by establishing external training, organizing knowledge sharing and executing internal training.
- Act as a Malaysia center of representative, working together with leaders across India, China and Mexico for nurturing a local Data Visualization & Reporting competency center that contains about 30 people.
- Chairing a committee of 10 people to plan and organize `2014 Chess Tournament during HP T&O MyCulture event successfully.

3 years' experience in Semantic Technology and research lead role, including:

- Filed 3 patents, published over 10 papers in the domain of computer vision, big data and others.
- Secure a total of RM400k research science fund from Ministry of Science and Technology Malaysia for project entitled: "Multiple Low-Level Features Optimization in Semantic Image Understanding"
- Secure a 2 years internal research funding for Image Understanding research project.
- Explore and meet up with strategic technology recipients in Malaysia for seeking potential collaboration and project implementation.
- Manage and chairing cluster Internal IP committee reviewing session, for meeting patent filing schedule, scope, novelty and strategy.
- Chairing AI demo session in 2010 and 2011 international conference for Semantic Technology and Knowledge Engineering in Malaysia, which is a yearly cluster event.
- Oversee a research team of 5 people, to propose research direction, define research scope, prototype development, technical feasibility review, experiment design & validation and etc, reporting directly to research director.
- Collaborate directly with product development team for transferring research prototype to commercialization product.

8 years experiences in computer vision & image processing technologies, including machine vision inspection, biological computation simulation and visualization:

- Acquire, managed and delivered 4 industries used products.
- Supervised a team of 4 engineers to prototype 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.

6 years experiences in Artificial Intelligent including Neural Network, Fuzzy logic and Genetic Algorithm (GA):

- 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.

13 years experiences in software development in-depth knowledge in Visual C#, Visual C++, C, Java & Web development technology:

- 5 years of experience in Visual C# in successfully delivered 4 industries used machine vision solution from user requirements stage until complete 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 prototyping, research & development.
- 3 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:

- Co-founder, act as research & development manager for a machine vision company
- Secured a total of RM0.5M of government award grant for technology research and implementation
- Secured 4 customers contributing a total of RM200k company revenue.
- Executing pre-sale, sale and post-sale activities, including RFQ, receiving PO, materials sourcing, requirement gathering, defining project scope, budget control and etc.
- Performed extensive business development tasks and building long lasting customer relationship.