|  |  |
| --- | --- |
| Daisuke YAMAGUCHI | xxxxx, xxxxx, Yokohama 226xxxx, Japan(+81) xx-xxxx-xxxxxxxxxxxx@xxx.ne.jp |

**CORE COMPETENCIES**

* Managed team and project for production engineering and design improvement.
* Negotiated international product certification in terms of EMC and CE marking.
* Proposed electrical and electronic design to solve problems technically.
* Assembled and inspected electrical products in both hardware and software point of view.
* Proposed optimal solution to customer with self-programmed software analysis.

**PROFESSIONAL EXPERIENCE**

|  |
| --- |
| **Production Engineering Team Leader/Electrical Engineer** |
| XXXXXX Pte Ltd (Singapore) | September 20xx – Present |
| Followed up marketed XXXXXX Machines and XXXXXX Machines in factory automation industry to renew certificate of products, to propose improved design and to solve malfunctions of products. |

* Managed production engineering team (consisted of 5 members) in schedule, document checking and progress of each work, since October 20XX.
* Managed projects of production transfer from Japan to Singapore for Japan-developed products.
* Handled documentation, negotiation (test items and price), testing of EMC/CE marking based on EN/ISO international standards with certification body (TÜV SÜD PSB Singapore).
* Developed, reviewed and evaluated specific functions (control circuits) requested by customers based on existing machine configuration.
* Modified product designs partially with design review, risk assessment and reliability test (e.g. inner parts replacement due to stop production and cost-down suggestion).
* Estimated man-hour and material cost for new designs and modified designs.
* Improved quality problems in both internal defectives and market claims onsite.

|  |
| --- |
| **System Integrator / Electrical Engineer** |
| XXXXXX Co., Ltd. (Japan) | August 20xx – May 20xx |
| Facilitated xxx system in terms of system design, assembling, inspection and trouble-shooting onsite. Arranged whole system in both hardware and software point of view. |

* Provided and maintained integrated system of power cables in XXXXXX industry, by adapting customer requirements in terms of hardware selection, control circuit design and communications software integration.
* Presented and demonstrated integrated system for overseas customers in English.
* Researched domestic (Japan) and overseas (Indonesia, Egypt and Cyprus) fields to design XXXXXX system for XXXXXX.
* Designed, manufactured and modified XXXXXX in building and factory automation.
* Developed Excel VBA software to support customers’ operation in fields.

**SKILLS**

|  |  |
| --- | --- |
| Computer Skills: | AutoCAD LT, Lotus Notes |
| Programming: | C, Visual C++, Excel VBA (Visual Basic for Applications), R, Matlab, Scilab, Fortran |
| Instruments: | Digital Multi-Meter, Oscilloscope, Arbitrary Waveform Generator, Milliohm Meter, Temperature Recorder, Vibration Meter, Strain Recorder, Drill Press |
| Tools: | QC Tools, 5-why Analysis, Risk Assessment, FMEA (DFMEA, PFMEA) |
| Math Models: | Statistical Analysis, Multivariate Analysis, Clustering, Rough/Fuzzy/Grey Sets, Neural Networks, Genetic Algorithms, Simulated Annealing, Self-Organization Map |
| Language: | Japanese (Mother Tongue), English (Advanced) |

**RESEARCH EXPERIENCE IN GRADUATE SCHOOL**

|  |  |
| --- | --- |
| XXXXXX University, Graduate School of XXXXXXXXXXXX University, Graduate School of XXXXXXXXXXXX University, Graduate School of XXXXXX | April 20XX – March 20XXApril 20XX – March 20XXApril 20XX – March 20XX |

* Extracted impressive keywords and similar-trend product groups from sensitivity/feeling (*kansei*) data of products using data analysis methods and AI methods.
* Developed online sensitivity/feeling measurement system for product and landscape pictures.
* Improved existing data analysis and AI methods to adapt to sensitivity data processing.

**Representative Publications**

* D. Yamaguchi et al., “A Grey-Rough Set Approach for Interval Data Reduction of Attributes,” *Lecture Notes in Artificial Intelligence*, vol.4585, pp.400–410, Springer (2007)
* D. Yamaguchi et al., “Decision Rule Extraction and Reduction Based on Grey Lattice Classification,” *International Conference on Machine Learning and Applications*, pp.31–36 (2005)

**EDUCATION BACKGROUND**

|  |  |
| --- | --- |
| **Doctor of Philosophy in Engineering (Computer Science)** | April 20XX – March 20XX |
| XXXXXX University, Graduate School of XXXXXX, Tokyo, Japan |
| **Master of Science (Computer Science)** | April 20XX – March 20XX |
| XXXXXX University, Graduate School of XXXXXX, Tokyo, Japan |
| **Bachelor of Engineering (Computer Science)** | April 19XX – March 20XX |
| XXXXXX University, Department of XXXXXX, Tokyo, Japan |