

Richan Varias Ramos

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JOB OBJECTIVE

To secure challenging position in the field of mechanical design engineering that will utilise my analytical skills and provide an opportunity for professional advancement.

CAREER QUALIFICATION AND SUMMARY

- 8 years of mechanical design engineering experience of plastic, rubber and metal design
- Hands-on capabilities of 3D CAD package such as Pro/Engineer, Co Create, Autodesk Inventor, Solid Works, AutoCAD, CADRA
- Hands-on experience in evaluating mechanical samples
- Conduct product testing
- Ability to handle projects from concept to mass production stage

EMPLOYMENT HISTORY

January 2011 –Present

Emerson Network Power

Eastwood, Quezon City, Philippines

Job Title: Mechanical Design Engineer

Responsibilities:

- Review latest customer specification and work with customer, Sales and Program Manager to ensure that program schedule is updated to accommodate latest revision customer specification.
- Conduct design review with relevant engineers to discuss product performance and deviation to customer specification. Optimize design manufacturability
- Coordinate PCB Engineer for layout activities
- Release all mechanical drawings/specifications
- Prepare and release Internal Product Specifications
- Review and resolve all design and manufacturability issues
- Review and qualify alternatives sources recommended
- Prepare and release manufacturing samples and documentation
- Prepare and release manufacturing samples and documentation

July 2008 –January 2011

Technology Enabler Designers Philippines Inc., (extension design office of PCI Ltd, Singapore)

Makati City, Philippines

Job Title: Mechanical Design Engineer

Responsibilities:

- Design Mechanical Parts (Plastics, Metal & Rubber) for Human-Machine interface devices using ProE Wildfire 5.0, Autocad, One Space Designer (Co-Create)
- Responsible for creation & documentation for mechanical drawings
- Responsible for qualification of tooling & first Articles approval on designed parts
- Design product packaging.
- Support engineering change involving process, part improvement till product end of line

October 2005 –July 2008

Behringer Holdings Philippines, Makati City, Philippines

Job Title: Mechanical Design Engineer

Responsibilities:

- Develop mechanical design for new products using Pro/Engineer, Autodesk Inventor, SolidWorks and AutoCAD
- Responsible for feasibility study and conceptualise product designs, taking into consideration manufacturing, serviceability and ease of use to customer
- Creation of specification drawings and generate design documents i.e. Bill of Material
- Recommend implementation of design changes or modifications to improve performance and reliability
- Support product start-up activities and provide test planning for the eventual product release for manufacturing
- Interact closely with other departments on processes and manufacturing issues to ensure smooth transition from design to production phase to optimize current / new design and to ensure design schedule is met
- Ensure parts design conform to requirements and guidelines, and other relevant international standards
- Liaise with vendors, supplies and designers for components selection and specifications

July 2003 to October 2005

JIDECO Technology Services Inc. (JTSI) currently **MITSUBA**, Makati City, Philippines

Job Title: Product Design Engineer

Responsibilities:

- Prepare design of electronic device such as relay, solenoid and actuators, which conforms to the requirement set by the costumer.
- Prepare prototype and mass production document, 2D dimension drawing, assembly drawing using CADRA software
- Negotiate with the customers regarding the specifications and other matters that may affect the product.
- Recommended implementation of design changes or modification to improve performance and reliability
- Develop mechanical design for new product and creation of virtual 3D model using SolidWorks and CATIA.

OVERSEAS WORK EXPERIENCE**October–November 2008**

PCI Limited, Alan Ahmad Ibrahim Singapore

Mechanical Design Engineer

- Support PCI Research and Development for HP project
- Start mechanical concept design of Qualcomm Display Interface Unit(DIU)

March-September 2007

Eurotech Zhongshan Electronic Ltd, Zhongshan, China

Mechanical Design Engineer

- Evaluate and approve incoming mechanical samples, screw nut washer and electro-mechanical parts
- Check and approve production documents
- Modification of the mechanical samples for engineering purposes
- Communicate to Production/Testing/Prototyping for good product samples.
- Maintenance of the Computer Aided Design (CAD) IT/database infrastructure; create mechanical part list and assembly drawing
- Support in designing of Mixer, Piano, Speaker, Microphones and Amplifiers

March - May, 2004

Jidosha Denki Kogyo Co., Ltd, Yokohama, Japan
Product Design Engineer

- Design of Plunger Type Starter Relay/Solenoid and studied the relay calculation and procedure
- Layout new Starter Relay using Solidworks/2D CADRA
- Relay Testing

EDUCATION

1997-2002 TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES, Manila Philippines
Bachelor of Science in Mechanical Engineering

SKILLS

Software	Microsoft Office/ PRO-Engineer/ Co Create/ Autodesk Inventor / Solid Works / AutoCAD / CADRA/Corel Draw/ Lotus notes
Operating System	Windows XP, 7, Vista, 2000 pro, 98, NT, Windows 2000/2003

CERTIFICATIONS**Pro/Engineer Certification**

Date: September 15-19, 2008

Location: MDC Training Center, Alabang

Plastic Injection Mold Design

Date: May 8-12, 2006

Location: (MIRDC-DOST)

Audio Engineering Technology

Date: October 2-25, 2006

Location: Behringer Holdings Philippines

Power Principle at Work, KAIZEN Management System

Date: March 22, 2006

Location: Behringer Holdings Philippines

Metal Fabrication

Date: June 19-23, 2006

Location: (MIRDC-DOST)

Autodesk Inventor Certification

Date: October 17-21, 2005

Location: CIM Technologies, Makati City