

# **ELECTROMECHANICAL SYSTEMS ENGINEER RESUME**

## **Summary:**

A highly qualified technical engineer who has the ability to combine knowledge of mechanical engineering technology with knowledge of the basic principles of electrical and electronic circuits to design, develop, test, and manufacture electronic and computer-controlled mechanical systems, such as robotic assembly machines; has been oriented with the operation of these machines in factories and other worksites; has exposure that overlaps both electrical and electronic engineering and mechanical engineering

## **Professional Experience:**

Senior Electromechanical Design Engineer January 2007 – Present  
General Dynamics C4 Systems, Chicago, IL

## **Responsibilities:**

- Collaborated with the product development engineering group for product upgrade and new concepts for innovative products.
- Conferred with a multi-disciplinary team of engineers to design, verify and document mechanical and electromechanical components to meet design requirements.
- Designed mechanical wiring components and connectors for product upgrades.
- Determined the sizing of electrical components to meet specifications for electrical, thermal and mechanical standards.
- Prepared packaging components with fuel cell stack assemblies and power plants.
- Conducted component verification plan development for test and certification reporting.

Systems Engineer II May 2004 – December 2006  
Modern Technology Solutions, Inc Chicago, IL

## **Responsibilities:**

- Conducted failure and baseline analysis test to comply with company standards.
- Reviewed and tested data of products to show compliance to manufacturer's specifications using specified tools.
- Operated computer-assisted engineering applications and design software and equipment to perform basic engineering tasks.
- Provided engineering support during customer meetings to help customize the scope efforts.

Systems Engineer February 1999 – May 2004  
Lockheed Martin Corporation, Chicago, IL

## **Responsibilities:**

- Collaborated with the product development engineering group for product upgrade and new concepts for innovative products.
- Conferred with a multi-disciplinary team of engineers to design, verify and document mechanical and electromechanical components to meet design requirements.
- Designed mechanical wiring components and connectors for product upgrades.
- Determined the sizing of electrical components to meet specifications for electrical, thermal and mechanical standards.
- Prepared packaging components with fuel cell stack assemblies and power plants.
- Conducted component verification plan development for test and certification reporting.

Systems Engineer II May 2004 – December 2006  
Modern Technology Solutions, Inc Chicago, IL

## **Education:**

Masters Degree in Engineering Physics, University of Iowa, 1999  
Bachelors Degree in Electromechanical Engineering, Rockefeller University, 1994

## **Skills:**

- Excellent time management skills
- Excellent communication skills for presentation of findings to management
- Excellent interpersonal skills for interaction with customers and other engineers
- Good analytical and problem solving skills
- Ability to listen and comprehend the needs of the customer with relation to the project
- Ability and desire to research new technology and methodologies in the electronics field

- Knowledge in electrical theories, design principles and practices
- Experience working with the company's electronic design procedures
- Experience working with personal computers and related software applications
- Experience working with test lab equipment

---

### **Awards and Affiliations:**

---

National Academy of Engineering, Member  
National Society of Professional Engineers, Member

[Build your Resume Now](#)