

# Master of Engineering Sample

Fort Collins, Colorado | (970) 555-5555 | [engineer@rams.colostate.edu](mailto:engineer@rams.colostate.edu) | [linkedin.com/in/amad](https://www.linkedin.com/in/amad)

## EDUCATION

**Master of Science in Mechanical Engineering**  
Colorado State University, Fort Collins, Colorado

May 20XX  
GPA: 3.21

**Bachelor of Science in Mechanical Engineering**  
Colorado State University, Fort Collins, Colorado

May 20XX  
GPA: 3.43

## CERTIFICATIONS

Certified Master Black Belt in Six Sigma  
Certification in Quality Systems for Product and Process Engineering  
LEED, HAZWOPER

## SPECIALITIES

Improving Product Life Cycle Results, IT & C4I Project Management, Project Leadership, Resource Management, Lean Manufacturing/TQM/ Six Sigma, New Product Introduction Engineer, Mechanical Design Engineer, Electrical Engineer, International Product Line Transfer, Aerospace Engineering, SQA, CQA, SPC, FMEA, DOE, ANOVA, Multiple Regression Analysis, CHAID, Data Mining

## RELEVANT EXPERIENCE

**Mechanical Design Engineer** June 20XX – Present  
Hewlett-Packard/Agilent Technologies

- Designed electro-mechanical test equipment for use on production lines of high volume cell phone manufacturers worldwide
- Interfaced with customers during design phase of new cellular phones
- Created test equipment to meet customer needs and demanding schedule
- Assumed responsibility for international installation and support
- Trained seven new engineers on operating test equipment, customer satisfaction goals, and time management demands

**Mechanical Product Design Engineering Intern** May 20XX – June 20XX  
Lockheed Martin, Boulder, Colorado

- Selected as Lead Engineer on a CAD software change
- Worked with interdisciplinary teams, ensuring proper tool usage per subsystem
- Assisted in maintaining schedule and creating basis of estimates for labor
- Assessed and assisted implementation of new CAD standards
- Corrected previously unacceptable CAD data to company standards
- Excelled at communicating CAD concepts to individuals, reducing anxiety of the changing software platforms
- Performed 1,300 hours of CAD experience with PTC Creo and Windchill
- Led efforts to mitigate risk to the project, predict error, and prevent schedule loss due to incompatibilities between new designs and existing hardware
- Assisted with changes to incorporate new engineering information to fully comply with customer requirements and deliver a compliant spacecraft to the customer
- Led efforts in integrating engineering information for presentation to the customer

**Manufacturing Equipment Design Intern** January 20XX – May 20XX  
Medtronic, Boulder, Colorado

- Developed new manufacturing equipment concepts for implementation into hard tooling
- Applied Heavy Prototyping experience, and equipment conceptualization
- Reliability studies, and mechanical troubleshooting of new equipment prototypes
- Extensive use of PTC Creo (Pro-engineer) for CAD development and conceptualization of new equipment

- Interfaced with an engineering team in India, for the modification of existing manufacturing equipment

### **Controls Engineering Intern**

January 20XX – June 20XX

HDR, Fort Collins, Colorado

- Worked under a senior controls engineer in industrial instrumentation and controls Assisted with the Input-Output electrical schematic layout, and maintenance
- Performed an Allen-Bradley controller module layout, and using FactoryTalk, created a user interface GUI.

### **Controls Intern**

May 20XX – September 20XX

United State Naval Academy, Annapolis, Maryland

- Designed a microcontroller to control the elevation of a helix antenna
- Developed a second microcontroller that synchronizes inputs from computer software with the rotation of a 5 mm dish which tracks and collects data from satellites that are within the horizon of Annapolis

### **Mechanical Engineer Intern**

January 20XX – May 20XX

Awesome Sports Design, Inc., Fort Collins, Colorado

- Designed new sports equipment concepts using AutoCAD, considering ease of use, safety requirements, and budget constraints
- Collaboratde with graphics department and 4 engineers to incorporate visual elements into functional design
- Communicated engineering and graphics design decisions to sales team to enhance sales department's understanding and ability to promote products
- Selected to train 4 new interns on office culture, technology management, and equipment design strategies

### **OTHER WORK EXPERIENCE**

#### **Student Office Assistant**

August 20XX - August 20XX

Engineering Success Center, Colorado State University

- Demonstrated commitment to the success of the department by undergoing several volunteer projects to streamline office efficiency and enhance customer experience
- Provided administrative and clerical support of daily operations, including answering phones, filing, stocking supplies, and data entry to ensure successful office transactions

### **LEADERSHIP**

#### **President**

August 20XX - May 20XX

Delta Xi Nu Multicultural Sorority, Inc.

- Led meetings and coordinated leadership initiatives for 50 members to accomplish community service projects which encouraged multiculturalism in local communities and the world
- Increased membership in sorority by 9 % over previous year by demonstrating passion for cause and utilizing excellent public speaking ability

### **PROFESSIONAL ORGANIZATIONS**

- American Society of Mechanical Engineers May 20XX - Present
- Engineering Without Borders May 20XX - Present
- Women in Engineering (IEEE) May 20XX - Present
- Society of Manufacturing Engineers May 20XX - Present

### **COMMUNITY SERVICE**

#### **Math and Science Tutor**

August 20XX - August 20XX

Boys & Girls Clubs of Larimer County, Fort Collins, Colorado

- Instructed elementary age children in math and science concepts to enhance their skills
- Demonstrated integrity and accountability as positive role model for disadvantaged youth

**Tutor for Homeless Youth** – Urban Peak, Denver, Colorado

March 20XX - August 20XX