

# HIRAD JAFARI

Dedicated mechanical engineer with strong knowledge of technologies, tools and best practices in mechanical design using AutoCAD and engineering drawings. Able to design and fabricate equipment and test and improve prototypes. Experience working as a team member to accomplish engineering goals.

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## PROFESSIONAL EXPERIENCE

### JUNIOR MECHANICAL ENGINEER

Beta Systems, Boston, MA  
July 2018 - Present

- Design, develop and test mechanical equipment and tools, ensuring the company's high-quality standards are met
- Collect machine performance data and demonstrate preventive maintenance in action for critical parts
- Communicate with customers, providing advice and support and explaining highly technical concepts in easy-to-understand language
- Provide environmental impact assessments

### MECHANICAL ENGINEER INTERN

Alpha Engineering, Raleigh, NC  
September 2017 - June 2018

- Implemented continuous improvement initiatives for existing equipment
- Worked closely with senior engineers throughout development cycle to develop design ideas from conception to execution
- Assisted in obtaining quotes and developing scopes for engineering work

## EDUCATION

### Bachelor of Science in Mechanical Engineering

University of Illinois at  
Urbana-Champaign, Urbana, IL  
September 2012 - June 2016

### Master of Science in Mechanical Engineering

North Carolina State University,  
Raleigh, NC  
September 2016 - June 2018

## KEY SKILLS

- Knowledge of industry and government standards
- Analytical skills
- Development and testing of prototypes
- EPDM software and AutoCAD abilities
- High level communication skills

## CERTIFICATIONS

- Licensed Engineer in Training, Mechanical Engineering, Massachusetts, 2018