

Experienced Mechanical Engineer with 5+ years in workforce allocation and equipment layout optimization, resulting in 10% increased workflows and 18% increased efficiency. Seeking to leverage project management skills and experience towards a leadership role at Estavez Parks.

Experience

2013-02 -
present

Mechanical Engineer

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- Planned, designed, and developed tools, engines, and mechanical equipment - resulting in 18% increase in efficiency.
- Met with clients to oversee installation, operation, and maintenance of equipment for all local plants.
- Planned workforce use, space requirements, and equipment layouts to optimize workflows. 10% increased workflow in year one.
- Established and reinforced maintenance and safety procedures.
- Worked with planning and design teams to drive product development and review tooling specifications.
- Developed CAN and LIN drivers and communication protocols.

2009-01 -
2012-12

Assistant Mechanical Engineer

Michigan Parks

- Performed condition assessments of mechanical systems service of Michigan Parks' physical assets, including plumbing, HVAC, electrical and other mechanical systems, in accordance with inspection protocols, state and local regulations and agency guidelines.
- Conducted field inspections to identify defects at system and component level. Recommend potential interventions to improve overall asset condition and meet benchmark performance requirements. Prepared detailed reports to support condition assessment findings and certify inspection results against applicable building codes.
- Collected and captured additional asset information to build and improve upon the accuracy of Parks' asset inventories.
- Maintained inspection data for use with Parks' asset management software systems.
- Analyzed inspection data to identify trends and monitor the effectiveness of Michigan Parks' efforts to proactively maintain its assets in a steady state of good repair.
- Engaged in document research, investigations, studies, examinations and testing as they related to the functions or activities of the Capital Needs Assessment Team.

Education

2006-09 -
2008-06

University of Michigan, MEng. in Mechanical Engineering

- Graduated Magna Cum Laude
- GPA of 3.6

2002-09 -
2006-06

University of Michigan, B.E. in Mechanical Engineering

- GPA 3.5

Conferences

2016-07
2014-11

The American Society of Mechanical Engineers

Product Life-Cycle Management - Stanford University

Julien Mourey

Mechanical Engineer

Personal Info

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Skills

3D CAD MODELING SOFTWARE

Expert

COMPUTER-AIDED DESIGN (CAD)

Advanced

PROJECT MANAGEMENT

Advanced

TEAMWORK

Advanced

COMMUNICATION SKILLS

Advanced

REVERSE ENGINEERING

Intermediate

MAINTENANCE COORDINATION

Intermediate

Languages

SPANISH

Intermediate

GERMAN

Basic