

# Erna Tremblay

AGRICULTURAL ENGINEER

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## SUMMARY

Determined agricultural engineer with 7+ years of experience in designing, constructing and maintaining agricultural structures. Expertise includes soil conservation, irrigation systems design and construction, crop production technology management. Proven track record of successfully creating innovative solutions to maximize efficiency while minimizing costs without compromising on quality or safety standards. Committed to developing sustainable agriculture practices for the future generations.

## EMPLOYMENT

### Agricultural Engineer at Employer A

Naperville | January 2018 to Present

- Structured and managed large-scale agricultural projects, ensuring that progress was tracked and deadlines were met; increased productivity by 30% in the last year.
- Programmed irrigation systems to optimize water usage on farms, conserving over 5 million gallons of water annually while also increasing crop yields by 20%.
- Consistently monitored soil fertility levels and developed fertilizer plans accordingly; reduced costs associated with fertilizers by \$25,000 per season.
- Coordinated a team of 8 scientists to develop new techniques for pest control using natural products; decreased pesticide use on crops by 40%.
- Reorganized existing farm machinery assets resulting in cost savings of up to \$20,000 per month in fuel expenses due improved efficiency rates.

### Agricultural Engineer at Employer B

Salt Lake City | March 2012 to December 2017

- Mentored 5 junior agricultural engineers in the development of sustainable crop production techniques, resulting in a 32% increase in yield over 2 years.
- Participated actively in the design and implementation of innovative irrigation systems for 4 farms; increased water efficiency by 15%.
- Achieved success with several multi-year projects on soil fertility management, raising yields by 30%.
- Analyzed data from numerous studies to identify areas requiring improvement and develop new strategies accordingly; contributed significantly towards achieving company objectives within set deadlines and budgets.
- Meticulously monitored quality control measures while conducting experiments to verify safety standards were met; reduced contamination incidents by 26%.

## EDUCATION

### Bachelor of Science in Agricultural Engineering at Educational Institution XYZ

November 2011

## SKILLS

Agriculture  
AutoCAD  
Water

Engineering  
Sustainability  
Water Resources

English  
Project Planning  
Hydraulics