

Professional Summary

Results-driven Agricultural Engineer (AG10) with 15+ years of experience in on-site crop production, agronomy, water resource management, energy efficiency, and project management. Proven track record of driving sustainable agriculture practices, enhancing water management, and leading cross-functional teams. Skilled in precision agriculture, agricultural economics, and public speaking.

Professional Experience

Senior Agricultural Engineering Manager

Inazuma.co | January 2018 - Present

Agricultural Engineering Manager

GreenTech Inc. | June 2015 - December 2017

Key Achievements:

- Developed and implemented a precision irrigation system, resulting in 25% water savings and 15% increase in crop yield.
- Led a team in conducting on-farm research, publishing 3 papers in reputable agricultural journals.

Responsibilities:

- Managed a team of 5 agricultural engineers and technicians.
- Designed and implemented sustainable agricultural practices for clients.

Senior Agricultural Engineer

Agricorp Ltd. | March 2012 - May 2015

Key Achievements:

- Conducted energy audits for 10 farms, identifying opportunities for energy efficiency and implementing solutions that reduced energy consumption by 20%.
- Collaborated with the sales team to develop and deliver technical training programs for clients, resulting in a 30% increase in sales.

Responsibilities:

- Provided technical support for clients on agricultural engineering projects.
- Developed and maintained relationships with key stakeholders, including farmers, suppliers, and industry partners.

Agricultural Engineering Specialist

University of California, Davis - Cooperative Extension | September 2008 - February 2012

Key Achievements:

- Developed and delivered adult education programs on sustainable agriculture practices, reaching over 500 farmers and agricultural professionals.
- Conducted research on drip irrigation systems, publishing 2 papers in peer-reviewed journals.

Responsibilities:

- Provided technical assistance to farmers and agricultural professionals on irrigation management and water conservation.
- Collaborated with university researchers on projects related to agricultural engineering and sustainability.

Education

Ph.D. in Agricultural Engineering

University of Illinois at Urbana-Champaign

Technical Skills

Agricultural Engineering:

- Agricultural Production
- Agronomy
- Sustainable Agriculture
- Precision Agriculture

Water Management:

- Irrigation Management
- Water Resources
- Water Supply
- Drip Irrigation
- Center Pivot Irrigation

Energy and Environment:

- Energy Efficiency
- Energy Audits
- Environmental Awareness
- Sustainability

Project Management and Consulting:

- Project Engineering
- Management Consulting
- Strategic Planning

Communication and Education:

- Public Speaking
- Conference Speaking
- Adult Education
- Technical Training
- Report Writing