

# Alan Gaul

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- Objective** To utilize my technical skills and seed design experience in an innovative environment with an opportunity for education and professional development
- Education** 1979–1983 **Iowa State University** Ames, Iowa
- B.S., Agricultural Engineering 1983 - Graduated with distinction
  - Organizations: ASAE, Ag Council, Tau Beta Pi, and Alpha Epsilon
  - Computer Skills: Microsoft Office, MathCAD, AX-4000, Images3D, Adobe Acrobat, Fortran, Basic, and data acquisition with limited experience in AutoCAD, Solidworks, PLC programming, and Unix system administration
- Experience** 1999–2005 **AEC Enterprises, Inc.** New Virginia, Iowa
- Chief Engineer
- Provided tech support for design, manufacturing, and marketing staff
  - Primary sales & project management contact for a large international foundation seed facility, including contract negotiation, design review, export documentation, vendor coordination, and on-site training
  - Met with seed customers to review and determine application requirements
  - Prepared specifications and estimates for seed equipment and facilities
  - Assisted marketing staff with product documentation, trade show planning, training video preparation, and technical presentations for new products and key customer accounts
  - Developed concepts & provided design support for multiple new products including a novel rubber roller seed corn shelling mechanism
  - Developed computer based tools for design, estimating, and data acquisition
  - Frequent guest speaker at seed industry workshops and conferences
- 1983–1999 **Seed & Grain Systems, Inc.** New Virginia, Iowa
- Vice President & Operations Manager (1991 to 1999)
- Managed a turnkey design/build company with 80-100 employees
  - Responsible for routine manufacturing and construction coordination
  - Coordinated marketing, sales, estimating, and project management staff
  - Customer contact and project manager for multiple larger clients
  - Guest speaker at ISU seed workshops and ISU Seed Technology Conference
- Design / Chief Engineer (1983-1999)
- Led design team for multiple large domestic and international seed facilities
  - Responsible for design & technical support required for conceptual development, equipment selection, structural & equipment layout, dust systems and process control specifications for seed facilities
  - Primary customer contact for design related communication
  - Provided start-up and training for both domestic and international locations
  - Developed concept and supervised design of multiple new devices related to seed drying, material handling, and process control
  - Prepared extensive library of software tools for plant and equipment design

1981–1983                      **ISU Seed Science Center**                      Ames, Iowa  
Seed Conditioning Technician

- Assisted with maintenance and operation of seed conditioning machinery
- Demonstrated principles and equipment at extension seed workshops
- Assisted with preparation of research grant requests and development of experimental procedures for several seed related research projects
- Designed & fabricated test devices for seed conditioning research
- Conducted research tests at both ISU and seed company facilities
- Co-authored several technical papers related to seed conditioning

1979–1981                      **ISU Ag Engineering Department**                      Ames, Iowa  
Research Technician

- Set up training labs and fabricated equipment for grain handling classes
- Assisted with grain moisture meter and quality testing research

-1979                              **Virgil Gaul (family farm)**                      Earlville, Iowa

- Assisted with daily operation of combined dairy, swine, and grain operation
- Developed designs & assisted with new farm building construction

Activities      Member/Chairman Elect, ISU Ag Engineering External Advisory Council  
Member, American Society of Agricultural & Biological Engineers (ASABE)  
President, Madison County Cycle Club  
Active in multiple church related organizations

References      Available upon request