

EDUCATION

- ◆ California State University, Sacramento
MS in Civil Engineering, 2004
- ◆ University of Colorado, Boulder
BS in Mechanical Engineering, 1983



PROFESSIONAL LICENSES and SOCIETIES

- ◆ Registered Civil Engineer, California
- ◆ American Society for Quality, Certified Quality Auditor
- ◆ Member, American Society of Civil Engineers

EXPERIENCE

- 2004–Present **MBK Engineers, Sacramento CA**
Engineer
Development of hydraulic and hydrologic system models for flood control and water supply analysis. Analysis of historic data for flood frequency prediction. Development and maintenance of water resource tools using Visual Basic and FORTRAN. Programs used include UNET, HEC-RAS, HEC-DSS, HEC-FFA, and Truckee River Operations Model.
- 2003-2004 **US Army Corp of Engineers, Sacramento CA**
Student Engineer
Hydrologic analysis of river and reservoir system. Flow frequency analysis. Preparation of flood management materials. Training of Reservoir Personnel for flood control operations.
- Prior to 2003 Various senior level positions in Manufacturing, Industrial and Quality Engineering. Experience relevant to Water Resources includes significant experience in Project Management, creation of technical reports, programming, system development, and use of analytical tools.