

# Quentin R. Alldredge

1032 W 2390 S, Perry, UT 84302

(435) 730-1198 | Email: [galldredge@gmail.com](mailto:galldredge@gmail.com)



## PROFESSIONAL EXPERIENCE

- July 2010 to Jan 2011; Aug 2011 to Present**    **Programmer IV, SoBran, Inc.**    **Layton, UT**  
*Member of the Test Tools Team on the US Marine Corps Expeditionary Fighting Vehicle (EFV) Project*
- Programmed Automated Testing Solutions and Vehicle Simulation in LabView.
  - Assisted in Software and Hardware integration.
  - Supervisor: Rich Swank (801) 825-2828
- Jan 2011 to July 2011**    **Electrical Engineer III, AAI Corporation**    **Ogden, UT**  
*Created Mechanical Test Equipment for Aerospace Component Testing*
- Assisted in Hydraulic, Electrical and Software Design.
  - Created Mechanical Schematics with Autodesk Inventor and the Autodesk Design Suite.
  - Supervisor: Paul Helterline (801) 392-0722
- Jan 2008 to July 2010**    **Operations Engineer, ATK Aerospace Systems**    **Brigham City, UT**  
*Manager of Business Management Systems, Computer Control Systems, and Data Acquisition and Reduction Systems for Research Operations and Research and Development.*
- Programmed business solutions, data acquisition and automation with the use of LabView, SQL, and Visual Basic for Applications.
  - System Manager for Explosive Material Safe Storage and Inventory System. Ensured Compliance to DoD Regulations and ATK Policies of Hazardous and Explosive Materials.
  - System Manager for E2 ShopTech Scheduling System, Nautilus LIMS, CISPRO, and others.
  - Earned three award for implementing time and cost saving and safety improvement measures.
  - Supervisor: Dave Suisse (Retired)
- Jan 2007 to Jan 2008**    **Scientist II, ATK Launch Systems**    **Brigham City, UT**  
*Engineer in support of Mechanical Testing of Energetic and Inert Materials*
- Programmed and maintained data acquisition software in LabView, SQL, and Visual Basic.
  - Diagnosed and repaired problems with test equipment and software.
  - Worked to improve safety, efficiency, and reliability of processes.
  - Supervisor: Dave Braithwaite (david.braithwaite@atk.com)
- Aug 2006 to Dec 2006**    **Lecturer, Utah State University**    **Logan, UT**  
*Professor of MAE 1200 Engineering Graphics*
- Taught students basics in solid modeling with the use of Solid Edge.
  - Taught communication of engineering design and basic presentation skills.
  - Supervisor: Dr. Byard Wood (435) 797-2868
- May 2006 to Dec 2006**    **Systems Engineer, Center for Space Engineering (CSE)**    **Logan, UT**  
*Headed TOROID Nano-satellite Structures Subsystem and Harness Subsystem*
- Led Structures Team to design all structural components of the TOROID satellite.
  - Conducted Finite Element Analysis and Vibrations Testing of TOROID structure.
  - Led development of all TOROID solid models.
  - Wrote documentation of subsystems to be delivered to the Air Force Research Laboratory.
  - Supervisor: Dr. Charles M. Swenson (435) 797- 2958

## EDUCATION

- Aug 2003 to Dec 2006**    **Master of Science in Mechanical Engineering with Solid Mechanics Emphasis**  
**Bachelor of Science in Mechanical Engineering with Aerospace Emphasis**  
*Utah State University, Logan, Utah, December 2006*
- Earned both Master and Bachelor Degrees concurrently.
  - Minor in Mathematics.
  - GPA: 3.61 Overall; Honors: Academic Scholarship Recipient, National Dean's List Recipient.

## AWARDS, MEMBERSHIPS, AND SERVICE

- Jul 2010**    Secret Clearance
- Oct 2009**    ATK Achievement Award (A3) for Energetic Safe Storage Tracking System
- Aug 2008**    Certified LabVIEW Developer (CLD)
- Jan 2008**    Completed Managing Nautilus & Instrument Integration Training
- Nov 2007**    ATK Achievement Award (A3) for Live Energetic Material Tracking System
- Sep 2007**    ATK Achievement Award (A3) for Project Budget Tracking System
- Mar 2007**    Completed Toyota Performance Enterprise System University
- May 2005**    Second Place, AIAA Undergraduate Satellite Design Competition
- Sep 1998 to Oct 2000**    Missionary Church Service to Thailand, Fluent in Thai Language
- Jul 1997**    Eagle Scout, Lifetime Member of National Eagle Scout Association (NESA)