

David Aaron Altherr

CURRENT ADDRESS

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EDUCATION

Embry-Riddle Aeronautical University

Master of Science in Technical Management. March 2011. GPA: 3.9/4.0.
Researched relationships among employment and productivity metrics.

University of Cincinnati

Bachelor of Science in Aerospace Engineering. June 2004. GPA: 3.3/4.0.
Honors. International Certificate in German.

EMPLOYMENT EXPERIENCE

Technical Specialist I / Engineer III,

Aug 2004 - Present

Gulfstream Aerospace Corporation / Powerplant Engineering. Savannah, GA.

- Led investigations and testing of vibration phenomena on the BR710 engine nacelle.
- Coordinated modification of nacelle for supersonic nacelle testing on the Tay engine.
- Designed modification of engine systems for supersonic nacelle testing using CATIA v5.
- Coordinated significant test program regarding aerodynamic phenomena on the BR710 engine.
- Developed new test techniques for in-flight engine fan flow visualization.
- Acted as analyst for evaluation of expanded customer operational envelope for the CAEW program.
- Acted as cognizant engineer for several investigations on the BR710 engine.
- Acted as project lead for the Special Missions Powerplant group on the HALO program.
- Acted as focal point for engineering data on liquid cooling system components for CAEW.
- Designed several system modifications for HALO and CAEW using CATIA v4.
- Developed software and hardware configurations for engine testing at Gulfstream and Rolls-Royce.
- Received Gulfstream Gold Pride Award for contributions to the CAEW testing program.
- Strong focus on Supplier Management, Project Engineering, Testing, Qualification, Matlab, CATIA.

Research Student (Co-op Position),

Apr 2003 - Sep 2003

German Aerospace Center (DLR) / Space Operations Center. Oberpfaffenhofen, Germany.

- Developed control algorithms and applications for the European Proximity Operations Simulator.
- Performed research in support of the ESA Automated Transfer Vehicle Rendezvous Program.
- Strong focus on Matlab, Simulink, and technical German.

Software Developer (Co-op Position),

Jan 2002 - Mar 2003

Air Force Research Laboratory / Propulsion Directorate. Wright-Patterson AFB, OH.

- Developed analysis software, algorithms to optimally distribute structured grid computations.
- Performed research in support of the Wright Labs HyTech Scramjet program.
- Strong focus on C++, Fortran, and Unix.

Web Applications Developer (Co-op Position),

Jan 2001 - Sep 2001

Structural Dynamics Research Corporation (SDRC). Milford, OH / San Jose, CA.

- Acted as lead developer for a knowledge base web application. Received SDRC Innovation Award.
- Strong focus on PHP, MySQL, HTML, Apache, SDRC I-DEAS.

COMPUTER EXPERIENCE

Expert: CATIA v4, Matlab, Scilab, MS Excel, Powerpoint, Word, Project, Access, PHP, MySQL.

Proficient: CATIA v5, Simulink, Labview, Fortran, Unix, C++, Apache, Mathematica.

ACTIVITIES

- Current council member of American Institute of Aeronautics and Astronautics Savannah Section.
- Presented research on Nanosatellite Inflatable Solar Sails at the 2004 Ohio Space Grant Consortium.
- Co-Founder of the UC International Cooperative Education Association.