

CONTACT INFORMATION

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Christopher Cassano

EDUCATION

<i>Degree and Institution</i>	<i>Degree Status</i>	<i>Date of Completion</i>
Embry-Riddle Aeronautical University, Daytona Beach, FL		
<u>Master of Science in Aerospace Engineering</u> , GPA: 4.0/4.0	In Progress	Dec 2008
<u>Bachelor of Science in Aerospace Engineering</u> , GPA: 3.6/4.0	Completed	May 2006
Clarkson University, Potsdam, NY		
<u>Bachelor of Science in Biology</u> , GPA: 3.2/4.0	Completed	May 2003

COMPUTER EXPERTISE

<i>Program / Skill / Knowledge</i>	<i>Skill Level</i>	<i>Experience</i>
CATIA V5 (GSD, Part, Product Design)	Advanced	2 years
Microsoft Office (Word, Excel, PowerPoint)	Advanced	10+ years
Adobe Photoshop	Advanced	8 years
Fortran (90/95) / C	Intermediate	5 years
NEiNastran / MatLab / Maple	Intermediate	3 years

PROJECT EXPERIENCE

Aircraft Re-Engine Feasibility Study

Investigated the feasibility of an industrially funded aircraft re-engine study. The project involved extensive solid modeling of airframe structure from original engineering drawings. The project also involved preliminary structural design and rotor burst analysis, as well as exposure to 14 CFR Parts 21 and 23.

Lean Engineering Project

Developed a Lean process to incorporate computational analysis into an existing design process. Designed to be accomplished in phased implementation, the process relied heavily upon training and focused on the reduction of waste.

Counter Rotating Compressor

Completed a design study of a non-aspirated counter-rotating compressor. Examined the use of guide vane pre-swirl in addition to splattered rotor technology as a means of increasing performance.

Propulsion Preliminary Design Project

Completed the preliminary design of a high bypass turbofan engine. The project included diffuser, compressor, turbine, and nozzle designs and incorporated three dimensional solid modeling using CATIA.

CAREER PROGRESSION

TECHNICAL EMPLOYMENT

Embry-Riddle Aeronautical University – STAFF

Daytona Beach, FL

Dec 2006 - Present

- Research the feasibility of a re-engine project.
- Assist in the creation of an FAA certification plan.
- Provide engineering support for prototype engine development and testing.
- Extensive drafting and part design

Embry-Riddle Aeronautical University – Graduate Teaching Assistant

Daytona Beach, FL

Sept 2006 – Dec 2007

- Instructed undergraduate students in experimental aerodynamic theory
- Instructed students in the use of a wind tunnel

Florida Health Care Plans – Independent IT Contractor

Holly Hill, FL

May 2006 – Sept 2006

- Installed and maintained network infrastructure
- Implemented a network infrastructure documentation program

Phoenix Tool and Manufacturing – Machinist

Gates, NY

Aug 1999 – Dec 2001

- Responsible for wire EDM and CNC setup and operation
- Performed manual machining tasks when necessary

W. Alton Jones Cell Science Center – Research Intern

Lake Placid, NY

May 1997 – Sept 1997

- Conducted NMR studies of engineered proteins for the purposes of cancer research
- Conducted bacterial growth studies

Delphi Automotive Systems – Engineering Intern

1994 - 1996

Henrietta, NY

- Audited facility machinery for the purposes of OSHA safety compliance
- Authored machinery lockout procedures
- Designed a battery conditioning chamber for electric vehicle use