

Ian A. Curtis

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Education

Rensselaer Polytechnic Institute, Troy, NY

Dual Bachelor of Science, Aeronautical and Mechanical Engineering | Minor in Economics [Expected Dec 2012]

GPA 3.83/4.0 | Dean's List

Maine School of Science and Mathematics, High School Diploma, May 2009

Work Experience

Intern (Auction Assistant)	Owls Head Transportation Museum Owls Head, ME	06/09-08/09
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Worked with a small team running an annual consignment auction of antique and special interest automobiles that generated nearly \$1.4 million in sales. I spoke with potential consignors, and managed consignment paperwork. Attention to detail was exceptionally important.

Mentor	MSSM Summer Camps Limestone, ME	07/07-08/07 07/08-08/08
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Worked as a camp counselor for a science and mathematics summer camp. I did a workshop on solar ballooning (hot air balloons that use the sun as a heat source) and assisted in a class on robotics using LEGO MINDSTORMS NXT.

Other Experience

Aircraft Conservation Volunteer	Owls Head Transportation Museum Owls Head, ME	2008-present
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I work with other volunteers and Aircraft Conservator restoring and maintaining a collection of 30 original and replica aircraft of the 1900-1930 period. Summer weekends are spent at the Museum's events, volunteering on the flight line and sharing the thrill of aviation with the public. Projects I've worked on include the recovering of an original 1916 J-1 Standard biplane, lightening and recovering of a replica 1930's glider, and general maintenance on nearly every aircraft in the collection.

AIAA Design/Build/Fly	Rensselaer Polytechnic Institute	2009-present
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Teams of university students design, build, and fly a remote control airplane (~6.5 ft wingspan). I was involved in the design process, wrote sections of the design report, and was heavily involved in the construction phase using materials spanning from balsa wood to carbon fiber. I was one of only 2 new members selected to travel to the competition.

FIRST Robotics	FIRST Robotics Competition	2004-2009
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Teams of high school students and adult mentors design, build, and construct a 120 lb robot in six weeks. I was an active high school participant. Experience with design, construction, wiring, systems integration, testing.

Job Shadow	Various	2007-2009
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Fisher Engineering (2007) – Worked with a group on testing and analyzing snowplow failures for two weeks. I also designed a rack to hold dies for an industrial press.

Knox County Airport (2008)– Shadowed the Airport Manager for two weeks, meeting with and working with nearly every aspect of airport operation from runway maintenance to small airport politics.

Owls Head Transportation Museum (2009)– Started as a Conservation Volunteer, see above.

Awards

Eagle Scout, Boy Scouts of America 2009

Rensselaer Medalist (recognition of superlative academic achievement in secondary school) 2009