

# Blaine B. Gudbjartsson

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**School Address**  
14 S. Charter St.  
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24345 Highview Avenue  
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**Objective** Full time position in mechanical engineering with emphasis on powertrain systems and vehicles.

**Education** **University of Wisconsin – Madison**  
BS, Mechanical Engineering GPA: 2.96/4.0 Major GPA 3.05/4.0  
Graduation Date: 5/08

**Experience** Polaris Industries Incorporated, Wyoming, MN, June-August 2007

**Design Engineer Internship – Powertrain Design**

- Updated the oiling system on a valvetrain durability stand
- Performed competitive engine teardowns and data collection
- Created a standard engine teardown template and procedure

Polaris Industries Incorporated, Wyoming, MN, June-December 2006

**Calibration Engineer Co-op - Powertrain Development**

- Researched an alternative fuel system and developed both dynamometer and field test plans to prove design
- Comparatively tested Lambda meters for accuracy and precision
- Installed a chassis dynamometer from start to finish
- Organized and participated in field calibration evaluations
- Tested consistency of engine dynamometers from three different sites

Polaris Industries Incorporated, Roseau, MN, June-December 2005

**Test Engineer Co-op – Powertrain Validation**

- Managed and tested all new incoming engine oils for Polaris
- Led a team for two weeks on the road internationally to perform rework
- Researched and implemented efficiency changes on engine dynamometers
- Worked with an international supplier to design and continually test a new technology project

Mercury Marine, Fond du Lac, WI, June-December 2004

**Design Engineer Co-op – Engine Peripherals**

- Prepared, organized, and carried out test plans on intake components
- Gained experience using a flow bench, modified intake manifolds to optimize flow, and conducted competitive benchmarking of intake systems
- Corresponded with suppliers to discuss prototype part design and testing

**Activities** UW-Formula SAE Racing Team, Madison, WI, 2002-Present

**Team Leader**

- Led 50 person team to a first place victory at an international competition
- Designed, fabricated and tested multiple components on the car

**Skills**

- Familiar with ETAS INCA, ATI Vision, AVL Concerto, Solidworks, Pro/ENGINEER, Autocad
- Basic Metal Fabrication, Welding and Machining