

Alex Ruderman

1556 Hickory Drive
Lilburn, Georgia 30047
gth861k@mail.gatech.edu
770-262-6425

Objective:

Seeking a position in the field of Mechanical Engineering in the area of Research and Development.

Education

Georgia Institute of Technology

Savannah, GA

Bachelors of Science and Technology, Mechanical Engineering, May 2007, GPA: 3.48

Transfer to Georgia Institute of Technology: August 2005

Georgia Southern University

Statesboro, GA

Bachelors of Science and Technology, Mechanical Engineering GTREP

August 2003-May 2005, GPA : 3.86

Relevant Courses

- *Engineering Graphics*
 - ✦ Created detailed drawings by hand and using AutoCad for interpretation of parts and assemblies.
- *Manufacturing Processes*
 - ✦ Established an understanding of the many types of material composition as well as focused on specific types of manufacturing products such as by forging, extrusion, rolling, sheet metal, casting, etc.
- *Machine Design*
 - ✦ Learned the design process for many different mechanical parts such as brakes/clutches, bolts, gears, shafts, keys, flywheels, etc. Also, evaluated stressed on a camshaft including research on dimensions, material, and specific design setup. As a final project, I was a part of a group which evaluated flaws in a prototype Rotary Diesel Engine. The main focus was the orientation of the pistons, timing, and combustion temperature inside the cylinders.

Work Experience

Atlanta Attachment Company

Lawrenceville, GA

Summer Internship: Assembler

May '04-Aug. '04/ May '05-Aug. '05

- Put together sub-assemblies to be used on a fully assembled machine
- Managed fully assembling multiple machines to be shipped off
- Assisted in changes made to a machine for Research and Development

Awards and Accomplishments

- Won 2nd Place in 3-D CAD Engineering for TSA competition
- Helped in the making of the 2006-07 Formula SAE car for ASME/Eagle Motorsports
- Hope Scholarship recipient
- Dean's List recipient for 5 semesters
- Part of group responsible for Georgia Tech receiving a patent for a Rotary Diesel Engine design

Professional Associations

- Technology Student Association 2002-2003
- American Society for Mechanical Engineers 2004-Present
- Eagle Motorsports (Head of Fundraising) 2005-Present
- Pi Tau Sigma Engineering Honor Society 2006-Present
- Student Advisory Board for Georgia Tech Savannah 2006-Present

Skills

- Computer: Excel, AutoCAD, Solid Works, I-DEAS, Microsoft Word, Power Point, MatLab
- Language: Knowledge of Spanish