

# RYAN STONECIPHER-FISHER

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## Objective

- A scientific or engineering position which will apply my research experience to innovative technologies while providing opportunity for growth and specialization.

## Education

- **Georgia Institute of Technology**—Atlanta, GA  
*December 2006*
  - Bachelor of Science in Mechanical Engineering
  - Emphasis in Energy Systems
  - Three semesters of “A”s in Undergraduate Research

## Strengths

- Mechanics of Materials, System Dynamics and Controls, Statistical Analysis

## Computer Applications

- Software: AutoCAD, Excel, MATLAB, MaSOFT, Labview, PowerPoint, Word
- Programming: CSS, HTML, LaTeX, MATLAB, MySQL, Python, PHP

## Research Experience

- **Multiscale Integrated Thermofluidics Research Lab**—Georgia Institute of Technology  
*January 2006-December 2006*
  - Characterized a gas-phase system for use in analysis of hydrogen-separating micromembranes
  - Parametrically characterized the response of hydrogen-separating micromembranes to changes in input mixture and temperature
  - Improved physical characteristics of system to reduce overall error in results and analyzed the effects of hydrogen-separating micromembrane redesign
  - Designed experiments to characterize the effects of microstructural changes on permeability

## Achievements and Activities

- National Merit Scholar
- Eagle Scout, Boy Scouts of America (2002)
- Georgia Tech Water Polo Collegiate Club Nationals Team (2003)

## Work Experience

- **Columbia Public Schools**—Columbia, MO  
*April 2007-present*
  - Substitute Teacher - Taught math and science to students from elementary to high school level as well as working non-technical positions when available
- **Tryathletics, Inc.**—Columbia, MO  
*2000-present*
  - Retail Salesperson - Sold running, cycling, and swimming products to athletes at varying levels of fitness
  - Bicycle Mechanic - Performed basic bicycle maintenance to help the shop run smoothly
  - Computing Consultant - Provided specifications for new computers, assisted management with software problems, managed email accounts
- **Mary Mac's Tea Room**—Atlanta, GA  
*August 2004-November 2006*
  - Server - Waited tables of up to 30 patrons with customer satisfaction as the primary goal while maintaining strong sales, ran errands after and between shifts off the clock
  - Food Runner - Delivered food to patrons to learn the menu and establish a reasonable triage system for restaurant and customer needs
  - Busser - Cleared and cleaned tables to learn about the restaurant business
- **Southwest Swim Club**—Columbia, MO  
*Summers 2001-2004*
  - Lifeguard - Supervised up to 20 swimmers of varying ability independently and up to 80 swimmers during peak times with assistance, provided first aid and sold concessions to patrons while not on the stand
  - Swim Instructor - Taught water safety and swimming lessons to infants and toddlers
- **Larkin Construction**—Columbia, MO  
*Summer 2000-Summer 2001*
  - Lawn Care Specialist - Mowed, trimmed, and edged lawns, watered plants and trees for retail properties and spec. homes

## References

- Work and character references are available upon request