

# Zhongyang Liu

Seeking an internship opportunity (available from May until mid-August)

**Phone:** 302-229-0359

**Email:** zliu310@gatech.edu

**Address:** 330535 Georgia Tech, Atlanta GA 30332

**Web:** www.hoogle.gatech.edu/Liu

## Education

- **Georgia Institute of Technology** Atlanta, Georgia  
*BS in Mechanical Engineering* 2012 - Present
  - Concentration in Automation and Robotics Systems
  - GPA 3.6

## Research Experience

- **Georgia Institute of Technology** 2012 - Present  
*Rheology*
  - Study Rheology, conduct Rheology experiments, & Data analysis
  - Talk at the 66<sup>th</sup> Annual Meeting of the American Physical Society, Division of Fluid Dynamics
  - Reported by *the New York Times*, *Popular Mechanics*, and other media
- **University of Delaware** Summer 2012  
*Automation and Robotics*
  - 3D CAD design, drawing, and Machining robot parts
  - Applied Finite Element Analysis (FEA)
  - Motor characterization, and Force & torque sensor calibration
  - Matlab and Simulink experience
  - Electrical circuit design

## Related Coursework & Student Clubs

- **Computational Fluid Dynamics** Spring 2014  
*COMSOL*
  - Using COMSOL for fluid dynamics simulation
- **Analysis of Aircraft Structure** Spring 2012  
*Finite Element Analysis (FEA)*
  - Optimize the design of on front wing spar through FEA (with Solidworks)
- **Student Clubs & Competitions**
  - 3D CAD Design*
    - **Robojeckets** . . . . . Georgia Institute of Technology
    - **Formula SAE** . . . . . University of Delaware

## Skills

- **Programming:** Matlab, Simulink, Python
- **CAD Design:** Solidworks, AutoCAD, Inventor
- **Others:** COMSOL, LaTeX, OriginPro, Microsoft Office
- **Languages:** Chinese, Cantonese, English

## Awards, Grants & Honours

- President’s Undergraduate Research Awards (PURA) . . . . . Summer 2013
- Name on the Dean’s List . . . . . All Semesters