

RESUME

Grace B. Silverstein, Mechanical Engineering
Graduation: May 2016

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Junior, The University of Alabama
MSC # 873987
1831 University Station
Tuscaloosa, AL 35487
GPA: 4.0 unweighted

AWARDS AND HONORS:

Tau Beta Pi Engineering Honors Society Member: Current
Pi Tau Sigma International Mechanical Engineering Honors Society Member: Current
H. H. Chapman Award, outstanding Computer-Based Honors Program computer user: 2013-2014
S. Truett Cathy Scholar Award Recipient: Spring 2014
Darren Evans-Young Outstanding Computer-Based Honors Freshman Award: 2012-2013
President's List at the University of Alabama: Fall 2012, Spring 2013, Fall 2013, Spring 2014
Chick-fil-A Leadership Scholarship Recipient: Fall 2013
National Merit Finalist and National Merit Scholar: 2012

LEADERSHIP AND VOLUNTEERING EXPERIENCE:

Computer-Based Honors Program: Current
An elite undergraduate research program within the University of Alabama Honors College that pairs academically high-achieving students with leading faculty to work on research projects involving the effective application of technology.
Reformed University Fellowship (RUF): Current
RUF Leadership Team Training: Spring 2014
American Society of Mechanical Engineers (ASME): Current
ASME Student Design Team, building a quadcopter for regional competition: 2013-2014
ASME regional conference volunteer: Spring 2013
Society of Women Engineers: Current
Operation Christmas Child Regional Collection Center Volunteer: December 2013
READAlabama: Fall 2012
University of Alabama Honors College reading mentoring program.
Alabama Action: Fall 2012
University of Alabama Honors College community service week for incoming freshmen.

RESEARCH EXPERIENCE:

Detecting the 3D Structure of Nearby Galaxies Dr. Jeremy Bailin
Collecting data from Hubble Space Telescope instrument measurements and writing code in Python to study the feasibility of measuring the three-dimensional shapes of galaxies near the Milky Way via the brightness of their red giant stars. In December 2013, I gave a presentation on this research that was broadcast live. In April 2014, I gave a poster presentation on this research.

WORK EXPERIENCE:

Chick-Fil-A part-time employee: Current

KNOWLEDGE AND SKILLS:

Computer: Python, C++, VisualBasic, FORTRAN, SQL, Microsoft Office, MATLAB, SolidWorks