

Lauren Achey

lachey3@gatech.edu

6940 Roswell Road 14A, Atlanta, GA 30328

(508)-208-6615

www.github.com/climbbikehike

EDUCATION:

Georgia Institute of Technology, Atlanta, GA.

May 2015 – Present

Expected Graduation: December 2019

- Candidate for Bachelor of Science in Computer Science
- Aerospace & Materials Engineering Minors
- Threads: Devices, Intelligence
- GPA: 3.6/4.0

Georgia State University – Perimeter College, Dunwoody, GA.

August 2013 – May 2015

- S.P.A.C.E. Club Member and Rocketry Team Co-leader
- GPA: 3.93/4.0

Fisher College, Boston, MA.

August 2010 – August 2012

- A.S. Business Administration, Graduated with High Honors in 2012
- GPA: 3.74/4.0

RESEARCH & PROJECTS:

Georgia Tech V.I.P. Research Program—Martian Advanced Renewable Systems Team August 2016 - Present

- Led the habitat sub-team on design and development of a comprehensive systems architecture for a Martian habitat (Fall '16 Semester)
 - Developed and implemented requirements modeling matrix in Excel with plans to further develop using system modeling software called MagicDraw
- Managing our 20 person team which is divided into four subgroups, energy harvesting and storage, in-situ resource utilization manufacturing, habitat architectural design, and radiation shielding (Spring '17)

Engineers for a Sustainable World—Hydroponics/Raspberry Pi Project

January 2016 - Present

- Research and implement hydroponic system using food waste for nutrient solution
- Donate crops to the Atlanta Community Food Bank
- Design a sensing system using a RaspberryPi unit which will provide data on water levels in the hydroponic system and eventually capture photos hourly so that the system can be observed remotely

Engineers for a Sustainable World—Natural Herbicides Project

January 2016 - Present

- Present to local garden partners on the effectiveness of Natural Herbicide solution developed and tested previously by the team
- Contributed to the team proposal/entry in the ESW Resilient Community Design Challenge which won 1st place in the competition

WORK EXPERIENCE:

Deep Roots Décor, Atlanta, GA.

August 2014 – August 2015

Owner

Sugarboo Designs, Inc., Roswell, GA.

December 2013 – August 2014

Customer Service & Account Manager

The Container Store, Inc., Buckhead, GA. Natick, MA.

June 2012 – December 2013

Sales, Visual Merchandising, Closet Design

First Realty Management, Cambridge, MA.

February 2013 – July 2013

Management Assistant

Boston Dance Company, Cambridge, MA.

August 2010 – January 2013

Assistant Rehearsal Director, Soloist, Company Dancer

Portland Ballet, Portland, ME.

August 2011 – June 2012

Company Dancer

Compass Medical, Taunton, MA.

June 2007 – August 2010

Administrative Assistant

SKILLS:

Languages: Java, Ruby, JavaScript, HTML, CSS, SysML, Python

Applications: MATLAB, SolidWorks, DrawIO, Microsoft Office, Quickbooks, Git, MagicDraw

Operating Systems: Windows, Linux, Macintosh

CLUB INVOLVEMENT:

Yellow Jacket Flying Club (Member and Pilot in Training)

August 2015 – May 2016

Engineers for a Sustainable World (Member)

August 2015 - Present