

# Triton Wolfe

## Objective

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Obtain an internship which fully utilizes my Engineering, Programing, and Creative Thinking.

## Education

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Georgia Institute of Technology [3.20/4.00 GPA]

Major: Chemical Engineering Second Year Minor: Computer Science and Engineering

Olathe North High School (Fall 2012 – Spring 2016) Class Rank: 1 / 561 [4.00/4.00]

## Skills

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**Chemistry Knowledge:** Thermodynamics, Molecular Orbital Theory, and Organic Chemistry.

**Chemistry Skills:** Light Spectroscopy, Vacuum Filtration, Paper Chromatography, and Titration.

**Computer Skills:** MATLAB, Java, Arduino, C++Root, MS Office Suite, and Excel Accounting

Code Examples: <https://github.com/triton-wolfe/gh-projects>

## Experience

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**Teaching Assistant for CS 1371: Computer Science for Engineers** August 2017 – Present

- ✓ Taught the MATLAB programming language to students with little or no coding experience
- ✓ Architected a new Auto-grading software to grade student code
- ✓ Graded and deployed student homework grades quickly and efficiently
- ✓ Transitioned to a paid position January 2018

**Treasurer for Triangle Fraternity Georgia Tech** January 2018 – Present

- ✓ Created a budget to eliminate fraternity debt and grow fraternity savings by 150%
- ✓ Planned and executed a weekend event at a cabin for the entire group

**Grand Challenges, Georgia Institute of Technology** Fall 2016 – Spring 2018

- ✓ Created an engineering solution to solve sanitation issues in Lowndes County, Alabama
- ✓ Contacted experts to implement the solution
- ✓ Worked with residents to increase interest in final solution construction

**National Science Bowl, Washington DC** Spring 2016

- ✓ Competed on a flagship team of four students
- ✓ Earned a place on the national team from Kansas

**Paid Internship funded by National Science Foundation, University of Kansas** Summer 2015

- ✓ Used MadGraph to generate Theoretical Data assuming the existence of a fourth generation quark
- ✓ Utilized C++Root to find appropriate filters to cut extraneous data from the Large Hadron Collider
- ✓ Created algorithms to find evidence of fourth generation vector like quarks

**Science Olympiad, University of Central Florida** Spring 2014

- ✓ Competed in multiple events on the regional, state, and national Levels.
- ✓ Won second place Nationally in the event ‘Compound Machines’

**Every Last Drop, Science City Exhibit, Kansas City, MO** Spring 2014

- ✓ Worked in a team to design an exhibit focusing on water conservation and usage
- ✓ Presented the exhibit plan in the ‘Battle of the Brains’ competition and the team won \$50,000
- ✓ Worked with engineers at Burns and McDonnell to build the exhibit

**Research Intern at the Dept. of Environmental Engineering at Univ. of Kansas** Summer 2013

- ✓ Grew 4 1,000-liter tanks of algae over the course of several weeks
- ✓ Tested samples of the algae through various laboratory procedures for biofuel favorable properties