Johnathon Loftin

Quantitative Thinker. New Graduate. Always Learning.

johnloftin@utexas.edu
linkedin.com/in/jjloftin
jjloftin.github.io

EDUCATION

University of Texas at Austin, Austin, TX —
Bachelor's of Science *Mathematics, Physics*
Elements of Computing Certification

August 2012 - May 2017

EXPERIENCE

Applied Research Labs, Austin, Texas —*Research Technician Intern*

June 2015 - January 2016

Scientific programming. Object Oriented Programming. Hardware and Software Design. Worked in a team of engineers to develop algorithms to track unmanned underwater vehicles with SONAR using statistical methods including Monte Carlo methods.

University of Texas at Austin, Austin, Texas — *Undergraduate Teaching Assistant*

January 2013 - May 2015

Classroom management. Grading of assignments and exams. Holding office hours.

Center for High Energy Density Science at UT Austin, Austin, Texas — *Research Assistant*

January 2013 - June 2014

Designed apparatus for experiments in non-linear optics. Data collection and analysis. Cleaning and maintenance of equipment.

Baker Hughes, The Woodlands, Texas — *Research & Development Intern*

May 2009 - July 2009

Data entry and analysis. Began automation of analysis process with scripting in Visual Basic.

PROGRAMMING TECHNOLOGIES

General: Python, Matlab

Web: HTML5, CSS3, Bootstrap, Javascript, jQuery,, JSON, AJAX, PHP

Databases: mySQL, Oracle SQL 2013

ORGANIZATIONS

Society of Physics Students — *President*
June 2014 - June 2015

Made financially solvent after beginning term in debt – doubled T-shirt sales, doubled concession sales, increased meeting attendance by 50%

Sigma Pi Sigma— *President, Co-Founder*
August 2013 - June 2014

Doubled initial membership of organization to twenty members for following year

AWARDS

Melvin J. Rieger Scholarship in Physics — *2015*

Endowed Presidential Scholarship — *2014*

UT College of Natural Sciences Honors — *2013, 2014*

Kent and Linda McCormack Undergraduate Scholarship in Physics — *2013*