Johnathon Loftin

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Skills

Python, HTML5/CSS3, Javascript, jQuery, AJAX, SQL, MATLAB,

Public Speaking, Volunteer Management, Outreach Coordination, Fundraising

Education

University of Texas at Austin / Completed B.S. Physics and Mathematics, Elements of Computing Certification

Attended August 2012 - 2016, Austin, TX

Experience

Independent Online Contractor

AUGUST 2016 - PRESENT, HUNTSVILLE, TX

- Training machine learning algorithms
- Managing workflows with Javascript and Amazon Web Service's Mechanical Turk platform
- Assisting with scientific studies of various sizes

Applied Research Laboratories / Research Technician Intern

JUNE 2015 - JANUARY 2016, AUSTIN, TX

- Hardware and software prototyping
- Algorithm development in Python and MATLAB for vehicle tracking with SONAR
- Monte Carlo / Statistical analysis

Department of Physics, University of Texas at Austin/ Learning Assistant

JANUARY 2013 - MAY 2015, AUSTIN, TX

- Classroom management
- Helping give lectures and office hours
- Student tutoring
- Grading of assignments and exams

Center for High Energy Density Sciences, University of Texas at Austin/ Research Assistant

JANUARY 2013 - MAY 2015, AUSTIN, TX

- Design and implementation of equipment for experiments in non-linear optics
- Data analysis and collection
- Automation of experimental protocols in LabVIEW
- Cleaning and maintenance of laboratory spaces

Baker Hughes/ Research and Development Intern

MAY 2009 - JULY 2009, THE WOODLANDS,,TX

- Large scale data entry and analysis
- Begun automation of data analysis with scripting in Visual Basic

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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 — 2o13