

Joe William Anderson
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Education

- **Rice University** Houston, TX
Math/Physics Double-Major, GPA: 2.84 Fall 2010 ~ Spring 2014
- **Texas Academy of Math and Science** (at University of North Texas) Denton, TX
High School Diploma, GPA: 3.733 (4.0 system), Dean's and President's List Fall 2008 ~ Spring 2010

Work Experience (Teaching and Research)

- **Rainard School** Houston, TX
Middle and High School Math Fall 2013~ Spring 2015
 - Rainard is a small private school focusing on gifted education.
 - Taught part time concurrently with senior year at Rice University, full time the following year.
- **Professional Tutoring** Houston, TX
Through Rice Athletics, All-in-One Academics, and Self-Promotion Fall 2011 ~ Present
 - Tutored undergraduate math and science through Rice Athletics.
 - Tutored middle and high school math through All-in-One Academics
 - Tutored many other subjects and SAT/GRE test prep for all ages through self-promotion.
- **Senior Thesis in Heavy Ion Research** Houston, TX
Physics Department Fall 2012 ~ Spring 2013
 - Implemented ROOT to study elliptic flow properties in AMPT simulations.
- **VIGRE Research Program** Houston, TX
Computational and Applied Math Department Summer 2011
 - Analyzed violin bridge design using python to pass plucking sound through fourier analysis.
- **UNT Research Assistant** Denton, TX
Biology and Physics Departments Fall 2009 ~ Summer 2010
 - Physics: Designed python program to analyze data for multipole magnetic lensing aberration.
 - Biology: Counted spores from fungi-plantae symbiotic relationships.
- **Texas A&M Research Assistant** Corpus Christi, TX
Agronomy Department Summer 2009/2010
 - Learned to use python to design an image analysis program to measure leaf area from photographs.
 - Collected field and lab data; helped manage cotton field plots and a microirrigated greenhouse.

Extracurriculars and Honors

- **Marching Owl Band** Houston, TX
Violinist, Librarian, and Graphic Designer in the Rice scatter band Fall 2010 ~ Present
 - Music Librarian in my second year – organized, copied, and distributed music.
 - Graphic Designer in my third year – responsible for all images, posters, t-shirt designs, etc.
- **Impossible Challenges** Houston, TX
Vice President, Co-Founder of club for challenging Rice undergrads Fall 2011 ~ Spring 2013
 - Led work groups of 5-10 at weekly meetings.
 - Team pitched microsatellite launch mechanism for Elevator Pitch Competition, won first prize of \$1000.
- **Rice Go Club** Club President, led meetings for playing go and made weekly L^AT_EX flyers.
- **Rice Math Lecture Contest** Won \$200 for half-hour lecture on projective space and elliptic curves.
- **Eagle Rank Boy Scout** Scout Leadership Training participant; Eagle Project required coordination of several city, county, and state officials, 30+ volunteers to create irrigated community garden.