

Abigail Corbett

5336 Inker Street, Houston Texas, 77007
832-248-8373 abbie@corbett.cc

EMPLOYMENT EXPERIENCE

- University of Houston** Houston, Texas
Teaching Assistant January 2015 -Present
Laboratory Courses Taught: Introduction to Meteorology (3 semesters), Atmospheric Data Analysis and Statistics (1 semester), Climate Change (2 semesters)
- Grade Laboratory assignments
 - Proctor exams and assisted professor
 - Mentor to new teaching assistants
 - Designed laboratory assignments and lectures
- YMCA Greater Houston** Houston, Texas
Tiny Tots & Cool Kids Camp Lead Summer 2017
- Designed curriculum and weekly themes
 - Created daily schedule
 - Managed team of 6 counselors
 - Liaison to parents/ guardians
- Americorps/ National Park Service/ Environmental Stewards** Kountze, Texas
Geoscientist in the Park Intern Summer 2016
- Worked with Resource Management and Oil and Gas Management
 - Created 30+ original maps for Big Thicket National Preserve using ArcMap
 - Liaison with TxRRC and TCEQ
- Texas Parks and Wildlife Department** Houston, Texas
Interpretive Intern Summer 2015
- Created, developed, wrote interpretive programs and signs for parks
 - Lead hikes, programs, and summer camps. Staffed Learning Center
 - Volunteered at city parks to increase TPWD awareness
- Hill Country Environmental, Inc.** Austin, Texas
Environmental Scientist June 2013 – January 2015
- Preparation of Phase I Environmental Assessments
 - Researched environmental policy on a federal and regional level
 - Air Permitting & Compliance applications and assessments
- The Village School** Houston, Texas
Admissions Assistant, Substitute Teacher September 2013 – May 2014
- Eclipse Environmental & Engineering** Austin, Texas
Undergraduate Intern Summer 2012

EDUCATION

- Texas A&M University** College Station, Texas
Bachelor of Science in Environmental Geosciences Graduation May 2013
Minor: Geography
- University of Houston** Houston, Texas
Doctorate in Atmospheric Sciences PhD Candidate
Geographic Information Systems Certificate
Expected Graduation May 2018
Research Topics: Solar-induced Fluorescence, Carbon Dioxide, OCO-2, TRMM, ENSO, Methane, AIRS

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PUBLICATIONS

Corbett, A., X. Jiang, X. Xiong, A. Kao, and L. Li (2017), Modulation of midtropospheric methane by El Niño, *Earth and Space Science*, 4, doi:10.1002/2017EA000281.

Jiang, X., A. Kao, A. Corbett, E. Olsen, T. Pagano, A. Zhai, S. Newman, L. Li, and Y. Yung, Influence of droughts on mid-tropospheric CO₂, *Remote Sensing, Remote Sens.* **2017**, 9(8), 852. doi:10.3390/rs9080852 (registering DOI)

ACHIEVEMENTS & INVOLVEMENT

Civil Graduate Scholarship	2013, 2014
American Meteorological Society	2015- present
University of Houston, Earth and Atmospheric Science Department 1 st Place Beginning Graduate Poster Presentation EAS Student Research Day	2016
Committee- Co-Chair UH EAS Student Research Day	2016- 2017
University of Houston EAS Department Teaching Assistant Mentor	2016- 2017
University of Houston EAS Department Academic Achievement Scholarship	2017
American Geophysical Union	2017- present

SKILLS

Proficient in: ArcGIS, Trimble RTK, ENVI, MatLab, IDL/Unix

REFERENCES

Xun Jiang

xjiang7@uh.edu

Atmospheric Science Graduate Advisor
Associate Professor of Atmospheric Science
University of Houston
Relationship: Advisor/ Mentor

Jinny Sisson

vbsisson@uh.edu

Visiting Associate Professor of Geology
Director of Summer Field Geology
Co-director of Geoscience Learning Center
University of Houston
Relationship: Supervisor of Teaching Assistants

Capuano, Regina

capuano@uh.edu

Associate Professor of Geology, Hydrogeology, Geochemistry
Advisor, Environmental Science
University of Houston
Relationship: Chair of Graduate Committee that I volunteered in 2016 and Co-Chaired 2017