

Matthew Brewer

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Education

UNIVERSITY AT ALBANY, SUNY | ALBANY, NY | ANTICIPATED GRADUATION MAY 2018

- Major: Atmospheric science
- Minors: Mathematics and Environmental Science
- Relevant elective courses: AATM327 Meteorological and Environmental Measurements, AATM 335 Meteorological Remote Sensing, AATM 400 Synoptic Meteorology I, AGOG496 Geographic Information Systems, AATM 418 Dynamic Meteorology III

Experience

SPECIAL EVENT MANAGER | BREWER'S SEPTIC SERVICE INC. | JUNE 2011-AUGUST 2016

- Assist managing a fleet of +1500 portable toilets
- Supervise 8 employees in cleaning, servicing, and transportation of portable toilets
- Oversee set up and take down of 4 special events of +100 portable toilets
- Communicate with office to assist in coordinating deliveries and employees

UNDERGRADUATE RESEARCH ASSISTANT | UNIVERSITY AT ALBANY, ATMOSPHERIC SCIENCE RESEARCH CENTER | MAY 2017-AUGUST 2017

- Deployed instruments, e.g. Parsivel Disdrometer, Rain Gauge, Cloud Condensation Nuclei counter
- Managed website for field campaign
- Launched upper air sounding
- Using Python to visualize collected data

UNDERGRADUATE WEATHER CAMP ASSISTANT | UNIVERSITY AT ALBANY | JULY 2017

- Supervised +10 students
- Prepared and gave lab activities and demonstrations
- Gave lectures to the students

Conference Presentations

- M. Brewer, 2018, Connection between Upstream Atmosphere and Cloud Formation at Whiteface Mountain, *17th Annual AMS Student Conference*, Austin, TX, 6-8 Jan. 2018.

University and Community Involvement

FRIENDS OF ALBANY ROWING INC.

- September 2014-Present
- September 2015-Present: Varsity captain

UNIVERSITY AT ALBANY SKI AND SNOWBOARD CLUB

- November 2014-Present

AMERICAN METEOROLOGICAL SOCIETY, ALBANY CHAPTER

- September 2014-Present
- Public Relations Officer: May 2017-Present

OVID VOLUNTEER FIRE DEPARTMENT

- August 2012-present
- CPR certified
- Interior operations certified
- Hazmat operations certified

FULL TILT FPV RACING, MULTIGP DRONE RACING CAPITOL REGION CHAPTER

- December 2016-Present
- RC Multirotor Racer and Builder
- Operations HAM radio license

Technical Skills

- ArcGIS
- Python
- HTML/CSS
- GEMPAK
- Linux/Unix OS

Award and Honors

- The George Tai-Jen Chen, PhD '71 Scholarship
- Dean's list
 - Fall 2014
 - Fall 2015 – Fall 2017