Matthew D. Miksch

319-461-3566 | miksch@aggiemail.usu.edu

Education

Utah State University, M.S. in Climate Science, Current GPA: 4.0 **Spring 2019 (expected)**
Advising Professors: Dr. Lawrence Hipps and Dr. Simon Wang

Iowa State University, B.S. in Meteorology, GPA: 3.71 **May 2016**

Relevant courses: Meteorological Instrumentation and Measurements, Environmental Instrumentation, 10th Annual Flux Course, Environmental Biophysics

Research Experience

Graduate Research Assistant *Utah State University, iUTAH, USGA* **August 2016 - Current**
Studying evapotranspiration in an urban golf course by comparing eddy covariance data to both remote sensing evapotranspiration models and to diagnostically model evapotranspiration to estimate future water use

Biological Science Aid *National Lab for Agriculture and the Environment* **June 2014 – June 2016**
Assisted technician in the micrometeorology group to maintain and troubleshoot both weather and eddy covariance stations, along with instrument calibration and preliminary data QA/QC

Atmospheric Science REU *Texas A&M University* **Summer 2015**
Studied forecast uncertainty in global ensemble models in the Southern Hemisphere extratropics and participated in a field experience measuring properties of the sea breeze in Galveston, TX

Teaching Experience

Teaching Assistant *Utah State University* **Fall 2017, Spring 2018**
Courses: The Atmosphere and Weather (119 students), Aviation Weather (64 students)
Graded papers, labs, and exams, answered student questions, gave weather discussions during class, and assisted in creating course content such as labs, quizzes, and exams

Awards and Skills

Awards & Fellowships
Apogee Instruments - Campbell Scientific Graduate Fellowship
Burt Tanner - Campbell Scientific Graduate Fellowship
Runner-Up Senior Thesis Award

Technical Skills
Programming Languages: Python, Fortran, JavaScript, Matlab, and CR Basic
Comfortable in both Unix and Windows environments
Ability to set up, troubleshoot, and QA/QC both eddy covariance and weather stations