

Taylor Wilmot

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Education

Master of Science, University of Wisconsin-Madison **Fall 2017 – Spring 2019**

- Environment and Resources Graduate Program - Nelson Institute
- 3.946 GPA

Bachelor of Science, University of Wisconsin-Madison **Fall 2014 - Spring 2017**

- Environmental Science Major
- 3.628 GPA

High School Diploma, North Central High School, Spokane, WA **Spring 2014**

- Valedictorian
- 4.0 GPA
- Participation in Cambridge Capstone Pilot Program through College Board and Cambridge University

Honors and Awards

Dean's List, College of Agricultural and Life Sciences **Spring 2017**

Dean's List, College of Agricultural and Life Sciences **Spring 2016**

Dean's List, College of Letters and Science **Spring 2015**

Dean's List, College of Letters and Science **Fall 2014**

Professional Experience

Teaching Assistant **Spring 2018, Spring 2019**

Atmospheric & Oceanic Sciences Department at University of Wisconsin-Madison

- Global Change: Atmospheric Issues and Problems (AOS 171)
- Grading papers, debate moderator, weekly office hours
- One lecture on the role of oceans in the climate system (Spring 2019)

Research Experience

Understanding of START-08 Constituent Mixing

June 2017 - November 2017

- Hourly position working for Professor Matt Hitchman in the Atmospheric and Oceanic Sciences Department at University of Wisconsin-Madison
- Back Trajectories in Vis5D
- Visualization of atmospheric constituent mixing data from flight observations
- Attached as co-author on a manuscript titled “Differential Advection, Tropopause Folds, and Jet Superposition near Midlatitude Cyclones” that is currently submitted for review to the Journal of Atmospheric Sciences

Master’s Thesis

- Titled “Influence of the Stratospheric Quasi-biennial Oscillation and Volcanic Aerosol on Photosynthetically-active Radiation, with application to Cropland Productivity and Food Security”
- Defended as part of the University of Wisconsin-Madison Department of Atmospheric and Oceanic Sciences colloquium series
- Manuscript currently being prepared for submission for publication

Other Skills

IT: Microsoft Office, Linux, Internet Explorer

Programming: Python, FORTRAN (basics), C (basics), Bash Shell scripting (basics), IDL (basics), R (basics)

References

Matt Hitchman- Former Academic Advisor

Atmospheric and Oceanic Sciences Professor at University of Wisconsin - Madison

1303 Atmospheric, Oceanic and Space Sciences Building
1225 W. Dayton St.
Madison, WI 53706

608-262-4653
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Chris Kucharik- Former Academic Advisor

Agronomy Department Chair and Associate Professor at University of Wisconsin - Madison

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Mick Byrne- Former Coach/Personal Reference

University of Wisconsin -Madison Director of Cross Country and Track & Field

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