

Tristan Green

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Academics

Doctorate

Boston University, Boston, MA 02215:

08/2021-Anticipating 2026 Graduation

- PhD in Earth & Environment
 - Dean's Fellowship 08/2021-01/2022
- Overall GPA: N/A

Masters

University of Kansas, Lawrence, KS 66046:

08/2019-05/2021

- Masters of Science in Atmospheric Science
 - Graduate Teaching Assistant 08/2019-05/2020
 - Introduction to Meteorology Lab Instructor 08/2019-05/2020
 - Graduate Research Assistant 05/2020-05/2021
 - Extracting and monitoring three eddy covariance tower sites located around northeastern Kansas
- Overall GPA: 4.0

Bachelors

University of Kansas, Lawrence, KS 66046:

08/2015-05/2019

- Bachelor of Science in Atmospheric Science
 - General Option
 - JR/SR GPA: 3.41
 - Bohnstengl Research Scholarship
 - SCOuT Program Certificate
- Overall GPA: 3.22

Applicable Skills

- C++ programming
 - EECS 138 course at the University of Kansas
- Fortran programming
 - ATMO 720 course at the University of Kansas
- MATLAB programming
 - Used in a variety of coursework at the University of Kansas
- R programming
 - Used in coursework and undergraduate research at the University of Kansas

- Python programming
 - CE 760 course at the University of Kansas
- ArcGIS
 - GEOG 358 (Intro to GIS) course at the University of Kansas
- NOAA/MetED Modules
 - Understanding the Hydrologic Cycle, Introduction to Climatology, Should Synopticians Worry about Climate, Weather Radar Fundamentals, Skew-T Mastery, Basic Satellite Interpretation, Weather Impacts on Air Traffic Management, Weather Decision Support for the National Airspace System
- AWIPS Software Usage
 - Created own procedural products
 - Understanding of AWIPS Interface and different products embedded
- Multiple Years of Spanish Language coursework

Masters Work

- Co-author
 - Disentangling Fire and Climate Impacts on Water and Carbon Cycling in Grasslands. AGU Fall Meeting 2019.
- Main author
 - Impact of Drought on Water and Carbon Cycling in Central U.S. Grasslands. Poster, Agricultural and Forest Meteorology Conference 2020. Delayed until 2021.

Undergraduate Research

- Development of Nighttime Evapotranspiration Research using Konza Prairie measurements taken from 2013-2017. *Advisor: Nathaniel Brunsell, PhD.*
- Comparisons of real-time Konza Prairie and KFB measurements and NOAA-MP model set extension. *Advisor: Nathaniel Brunsell, PhD.*
- Bohnstengl Research Scholarship awarded in 2018 and 2019.

Presentations/Seminars

- Senior Seminar Presentation April 29th, 2019
 - Atmospheric Science department presentation over Nighttime Evapotranspiration from the Konza Prairie Site within the studied period of 2013 through 2017.
- SCOuT Presentation May 13th, 2019
 - Presentation over The Importance of Communication within the National Weather Service
- AMS Forest Meteorology Conference Poster Presentation June 01st, 2020

- Presentation over Impact of Drought on Water and Carbon Cycling in Central U.S. Grasslands. Delayed until 2021.

Volunteer Experience

- Volunteer Student at National Weather Service Office Pleasant Hill, MO 06/19-09/19
 - Performed duties (Climate Report, RiverPro, meso- and surface analysis, RTP, MEERS briefing, creating social media graphics)
- SCOuT Program 10/18-05/19
 - Visited other National Weather Service offices located within Kansas and Kansas City to be mentored by professional meteorologists and their designed duties
 - Visited Offices include: WFO Topeka, Aviation Weather Center, National Weather Service Training Center, Missouri River Valley Basin Forecast Center, Central Region Headquarters, Central Weather Service Unit
- Meteorology Science Olympiad Proctor
 - Volunteered to be a proctor for a middle school science olympiad state test at Johnson County Community College for the Meteorology portion
- Alcohol/Drug Speaker
 - Volunteer Service at Minnetonka High School where group spoke to middle school and elementary students about awareness and harmfulness of alcohol and drug substances
- Tonka Serves
 - Volunteer Program at Minnetonka High School designed to open opportunities for volunteer service around the community

Past Work Experience

- Undergraduate Research Assistant at the University of Kansas 02/2018-06/2019
 - Advisor: Nathaniel Brunsell, Ph.D
 - Research Development Topics
 - Comparing land cover data to model output, specifically NOAH-MP
 - Development on night time evapotranspiration
 - Hands-on work with equipment at different Konza Prairie Sites. (Worked with Bryan Conrad)
 - Soil Extraction Project
 - Extracted different root sizes from different depths in the soils to compare bulk densities with the different diameters and lengths
 - High Exposure to R Studio Coding

- Kohls Department Associate 06/2014-01/2017, 06/2019-08/2019
 - Home and Kids Department Associate 06/2014-01/2017
 - Communicating with management and other associates on completing daily tasks
 - Training new associates to manage the department
 - Communicating and interacting with customers to ensure expectations and experience is pleasurable
 - Contact Info: (952)448-2691
 - Kohls located in Chaska, Minnesota
 - Stockroom Associate 06/2019-08/2019
 - Communicating with management and other associates on completing daily tasks
 - Managing items stock and inventory
 - Completing online orders
 - Contact Info: (785)842-6133
 - Kohls located in Lawrence, Kansas

References:

- Mark Friedl, PhD
 - friedl@bu.edu
 - Graduate Advisor at Boston University
- Nathaniel Brunsell, PhD
 - brunsell@ku.edu
 - Undergraduate/Graduate Advisor at the University of Kansas
- David Mechem, PhD
 - dmechem@ku.edu
 - Professor/Chair of the Atmospheric Science/Geography Department at the University of Kansas
- Karen Eagle
 - karen.eagle@noaa.gov
 - Supervisor and Creator of SCOuT Program at KU
- Chris Bowman
 - chris.bowman@noaa.gov
 - Lead Forecaster for NWS Pleasant Hill, KS
- Julie Adolphson
 - julie.adolphson@noaa.gov
 - Meteorologist in Charge for NWS Pleasant Hill, KS