Curriculum Vitae

Full Name	Ashley Trudeau
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Date of birth	30 September, 1989
Place of birth	Great Falls, MT, United States
Citizenship	USA

Education

October 2015 to Present	Humboldt Universät zu Berlin Albrecht Daniel Thaer Institut für Agrar- und Gartenbauwissenschaften M.Sc. Fish Biology, Fisheries, and Aquaculture in progress
August 2007 to May 2011	University of North Carolina at Chapel Hill Biology Bachelor of Science with a concentration in vertebrate evolution, anatomy, and behavior, Chemistry Minor UNC Baccalaureate Education in Science and Teaching: Earned North Carolina license to teach high school science
August 2005 to June 2007	North Carolina School of Science and Mathematics Earned High School diploma
August 2003 to June 2005	Union Pines High School in Carthage, North Carolina Completed 9th and 10th grade years before applying and being accepted to NC School of Science and Mathematics

Research Experience

September 2016

Sampling and Data Analysis coursework and research

- Participated in field sampling of river and lake fish populations.
- Completed analysis of the impact of anthropogenic food subsidies on fish growth, which will be part of a future publication.
- Gained practical experience in field sampling, fish scale aging, and the use of fish growth models to analyze population structures and fish growth.

April to August 2016

Student Project

- Assisted in maintenance and water quality analysis of a decoupled aquaponics system.
- Examined the impact of replacing fish meal with insect meal on the growth of African catfish and basil as well as the resulting changes of the water chemistry of the system.

Employment History

August 2012 to June 2015

Science Teacher at The Hawbridge School

- Taught Biology, Chemistry, Advanced Placement Environmental Science, 7th grade general science, and 8th grade general science.
- Taught a university-level environmental science course with a strong emphasis on the importance of sustainable agriculture. The class also engaged in extensive lab work through measuring water quality of the nearby river, comparing biodiversity indices of soil macroinvertebrates, building self-contained biospheres, and planning and implementing sustainability initiatives within the school.
- Guided the 8th grade science class as they designed, built, and maintained a classroom aquaponics system that grows lettuce, basil, and bell peppers while raising goldfish.

August 2011 to June 2012

Science Teacher at Hugh M. Cummings High School

- Taught Earth and Environmental Science
- Facilitated students as they tested and modified soil quality and selected appropriate plants to construct and maintain a school garden.

May 2011 to July 2011	Howard Hughes Medical Institute Internship for Future Teachers ➢ Participated in research into the behavior and evolution of spadefoot toads at UNC-Chapel Hill while constructing an online learning module for the use of teachers, professors, and students. The module (link below) explains the foundations of the Burmeister lab's research and provides instruction in the nature of scientific research. ➢ http://www.unc.edu/depts/our/hhmi/hhmi-ft_learning_modules/animalbehaviormodule/index.html
January 2011 to May 2011	Student Teaching Apprenticeship at Carrboro High School ➢ Co-taught Physical Science and Biology with an experienced mentor teacher.

Additional Qualifications

Language	Native English speaker with basic skills in French and German. Goethe Institut A1 German Certificate as of 30 June, 2015. Continued coursework in German to B1.1 level.
Laboratory skills	Previous experience with laboratory techniques, including making solutions, gel electrophoresis, PCR, cell transformation, running behavioral experiments, data collection, and data analysis.
Technology	Experience with statistical analysis using SPSS and R.
Certifications	North Carolina Standard Professional II teaching license for 6th through 12th grade science