

Tedward Erker

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Summary of Qualifications and Skills

Biometry M.S. and Forestry Ph.D. (expected spring 2019) with 5 years of research and data analysis experience and 2 years of high school teaching experience. Comfortable with a wide range of statistical methods including generalized linear models and tree-based methods. Driven to understand complex problems and distill key findings for nonexpert audiences via fully reproducible reports and compelling figures. Independently motivated. A positive, constructive team member and leader. Passionate about working in education.

Experience

2015–Present **Research Assistant**, *UW-Madison*.

Investigate interactions between humans and the urban forest:

- Map Urban Forests of Wisconsin;
 - Tested 3 machine learning algorithms to classify nearly a terabyte of imagery
 - Processed imagery in parallel at UW's Center for High Throughput Computing
- Carbon Budget of Urban Forest:
 - Assessed impact of tree canopy on residential building energy use and carbon emissions
 - Sub-achievement (b), with sub-sub-achievements (don't do this!);
 - Sub-achievement (c);
- Canopy Foliar Trait Mapping with Imaging Spectroscopy.
 - Sub-achievement (a);
 - Sub-achievement (b), with sub-sub-achievements (don't do this!);
 - Sub-achievement (c);

2013–2015 **Teaching Assistant**, *UW-Madison*.

- Statistical Methods for Bioscience II, Spring 2015
 - Led 2 weekly discussion groups, graded homework and exams for this graduate-level course
- Forest Ecology, Fall 2013 and Fall 2014
- Living With Wildlife, Spring 2014

2010–2012 **Chemistry and Biology Teacher**, *Confluence Preparatory Academy*, St. Louis.

Educated over 120 students in six classes daily.

As first year teacher, developed chemistry curriculum for new charter school integrating College Readiness Standards with Missouri Science Standards.

2010–2012 **Corps Member**, *Teach For America*, Chicago & St. Louis.

Selected from over 46,000 applicants nationwide to join the national teacher corps of recent college graduates who commit two years to teach in under-resourced public schools.

Education

2013–Present **Ph.D.**, *University of Wisconsin*, Madison, 3.929.

Forestry, Department of Forest and Wildlife Ecology

2013–Present **M.S.**, *University of Wisconsin*, Madison.
Biometry, Department of Statistics

2006–2008 **B.A.**, *Washington University in St. Louis*, St. Louis, 3.83.

2009–2010 Environmental Studies–Ecology/Biology, Summa Cum Laude

Relevant Graduate Coursework

- Tools for Reproducible Research
- Statistical Methods-Spatial Data
- Intro Mathematical Statistics I & II
- Teaching Statistics
- Advanced Data Analysis with R
- Multilevel Models
- Statistical Methods for Bioscience I&II
- Inquiry-Based Biology Teaching

Master thesis

title *Title*

supervisors Supervisors

description Short thesis abstract

Languages

Language 1	Skill level	<i>Comment</i>
Language 2	Skill level	<i>Comment</i>
Language 3	Skill level	<i>Comment</i>

Computer skills

category 1	XXX, YYY, ZZZ	category 4	XXX, YYY, ZZZ
category 2	XXX, YYY, ZZZ	category 5	XXX, YYY, ZZZ
category 3	XXX, YYY, ZZZ	category 6	XXX, YYY, ZZZ

Interests

hobby 1 Description

hobby 2 Description

hobby 3 Description

Extra 1

- Item 1
- Item 2
- Item 3. This item is particularly long and therefore normally spans over several lines. Did you notice the indntation when the line wraps?

References

Category 1

- Person 1
- Person 2
- Person 3

Category 2

Amongst others:

- Person 1, and
 - Person 2
- (more upon request)

All the rest & some more

That person, and **those** also (all available upon request).

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Company Recruitment team

January 01, 1984

*Company, Inc.
123 somestreet
some city*

Dear Sir or Madam,

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis ullamcorper neque sit amet lectus facilisis sed luctus nisl iaculis. Vivamus at neque arcu, sed tempor quam. Curabitur pharetra tincidunt tincidunt. Morbi volutpat feugiat mauris, quis tempor neque vehicula volutpat. Duis tristique justo vel massa fermentum accumsan. Mauris ante elit, feugiat vestibulum tempor eget, eleifend ac ipsum. Donec scelerisque lobortis ipsum eu vestibulum. Pellentesque vel massa at felis accumsan rhoncus.

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Albert Einstein discovered that $e = mc^2$ in 1905.

$$e = \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n$$

Yours faithfully,

Tedward Erker

Attached: curriculum vitae