Victoria Lang

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332 South Slusser
Grayslake, Il 60030

EDUCATION

PhD Northwestern University, Earth and Planetary Science — Present
Advisor: Dr. Daniel Horton

MS University of Wisconsin-Milwaukee, Atmospheric Science — May 2022
Thesis: "Detection of signal from increased PM2.5 concentrations near state fairs with fireworks"
Advisor: Dr. Jonathan Kahl

BS Northern Illinois University, Meteorology — May 2020
Magna Cum Laude (4.0/4.0 GPA in Major)

BS Illinois State University, Business Administration — May 2009

HONORS AND AWARDS

Data Science Fellowship (Northwestern University) — 2022

Dhirenda Sikdar Scholarship (University of Wisconsin-Milwaukee) — 2021

Chancellor's Graduate Award (University of Wisconsin-Milwaukee) — 2020 & 2021

College of Liberal Arts and Sciences Dean's Award (Northern Illinois University) — 2020

Lake County Women's Coalition Scholarship (College of Lake County) — 2017

PUBLICATIONS

Lang, V. A., Turner, T. J., Selbig, B. R., Harris, A. R., & Kahl, J. D. W. (2022). Predicting Peak Wind Gusts during Specific Weather Types with the Meteorologically Stratified Gust Factor Model, *Weather and Forecasting*, *37*(8), 1435-1446. DOI: https://doi.org/10.1175/WAF-D-21-0201.1

Fritzen, R., **Lang, V.,** & Gensini, V. A. (2021). Trends and Variability of North American Cool-Season Extratropical Cyclones: 1979–2019, *Journal of Applied Meteorology and Climatology*, *60*(9), 1319-1331. DOI: https://doi.org/10.1175/JAMC-D-20-0276.1

PROFESSIONAL EXPERIENCE

Student Intern, Naval Research Laboratory, Monterey, CA,   June- August 2022

Research Assistant, University of Wisconsin-Milwaukee, Milwaukee, WI,   2021- 2022

Teaching Assistant, University of Wisconsin-Milwaukee, Milwaukee, WI,   2020- 2022

Student Intern, Lake Michigan Air Directors Consortium Rosemont, IL, June-August 2021

Meteorologist, Innovative Weather, Milwaukee, WI,   June - September 2021

Student Volunteer, National Weather Service, Romeoville, IL,   January-May 2020

Research Experience for Undergraduates, Grand Forks, ND,   May- August 2019

Visiting Research Scientist, National Center for Atmospheric Research,   Jan.- March 2019

Social Media Coordinator, Self-Employed, Central Illinois Market,   January 2017- Present

PRESENTATIONS

Oral Presentation, "Predicting peak wind gusts during specific weather types with the meteorologically stratified gust factor model," 31st Conference on Weather Analysis and Forecasting, American Meteorological Society, January 2022.

Poster Presentation, "Trends and Variability of North American Extratropical Cyclones 1979--2019," Midwest Student Conference on Atmospheric Research, October 2019.

Poster Presentation, "Characterizing Carbonaceous Fractions of Atmospheric Particulate Matter in Grand forks, ND," University of North Dakota, August 2019.

PROFESSIONAL ORGANIZATIONS

American Meteorological Society   December 2019- Present

American Geophysical Union   August 2022- Present

TECHNICAL SKILLS

Programming: Python, R, MATLAB, C++, Visual Basic
GitHub Profile: https://github.com/Vlang11

Software: HYSPLIT, WRF-ARW, GR2 Analyst, GR3, AWIPS, Net CDF, CSV data, BUFKIT, Forecast Model Analysis, Facebook Insights, MS Office (Word, Excel, PowerPoint, Outlook)

COMMUNITY INVOLVEMENT

Pen-Pal, Letters to a Pre-Scientist   (2021-Present)

The Climate Consensus, Milwaukee, WI   (2021-2022)

Peer Mentoring University of Wisconsin-Milwaukee   (2021-2022)

American Meteorological Society Student Chapter Dekalb, IL   (2019-2020)

College of Liberal Arts Student Advisory Committee Dekalb, Il   (2019-2020)

Northern Illinois University Committee, Dekalb, Il   (2019-2020)

Northern Illinois University Stem Festival   (2018-2020)

STEM (for Girls) Day, Grayslake, Il   (2017)