

Kevin Michael Zolea

Sicklerville, NJ 08081

(732) 947-7274

kevin.zolea@gmail.com

www.linkedin.com/in/kevinmichaelzolea

www.kevinzolea.com

PROFESSIONAL EXPERIENCE:

New Jersey Department of Environmental Protection, Trenton, NJ

March 2018 - Present

Environmental Specialist 1 (March 2020 - Present)

Environmental Specialist Trainee (March 2018 - March 2020)

- Wrangle raw data from various sources into R using tidyverse, to perform geospatial maps and data visualizations
- Create dynamic interactive dashboards using the shiny package for organizational reproducibility
- Develop linear regression models in R's ggplot2 to identify correlations between pollutants
- Automate data review and data assessment through use of R/Python scripts
- Research key water/air quality issues and execute implementation plans
- Design maps in ArcGIS for spatial analysis of impaired water bodies throughout NJ

National Center for Environmental Prediction, College Park, MD

May 2017- August 2017

Summer Research Intern

- Reported statistical and analytical insights to executives for improvement of weather predictions toward the Global Forecast System
- Provided critical feedback to model developers and management regarding model changes, verification, and forecast issues
- Created visual maps using Python to compare real time observations to the Global Forecast System
- Co-authored poster presentation at research colloquium and technical paper, interpreting research conclusions

Colorado State University, Fort Collins, CO

May 2016 – August 2016

Summer Undergraduate Research Intern

- Conducted data analysis using MATLAB to identify origins of hurricanes in the East Pacific
- Collaborated effectively with National Science Foundation research scientists to improve hurricane predictions
- Delivered research conclusions with a PowerPoint and poster presentation at the American Meteorological Society Conference in Seattle, Washington

EDUCATION:

Kean University, Union, NJ

School of Environmental & Sustainability Sciences

- Bachelor of Science, Earth Science/Geoscience
- Minor in Mathematics
- Dean's list, 2016-2017
- Member, Louis Stokes Alliance for Minority Participation & American Meteorological Society

SKILLS:

- Proficient in Microsoft Office (Excel, PowerPoint, Word and Outlook) & R
- Working knowledge in MATLAB, ArcGIS, Python, SQL, HTML, & JavaScript