

# Kel Weaver

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Github: <https://github.com/keweaver>

Personal Site: [keleats.rocks](http://keleats.rocks)

Contact for academic publications

References available on request

## Education

### Northeastern University, Boston, MA

Khoury College of Computer Science, Graduation Spring 2025

Candidate for Bachelor of Science in Computer Science and Environmental and Sustainability Sciences

GPA 3.898 / 4.00. Honors Student

## Experience

### LineVision, Boston, MA

*Data Science Intern*

January 2023 - July 2023

- Applied computational modeling and data visualization techniques with Python to environmental data to increase electrical grid capacity by 20%.
- Analyzed data from LiDAR and weather sensors, point clouds, and topography models to provide insight on critical grid site environments.
- Resolved model errors through analysis of geospatial data, sensor cross-referencing, and scientific and industry literature.

### Cognitive Neuroimaging Lab, Montclair, NJ

*Research and Teaching Assistant*

June 2019 - August 2021

- Designed project proposals, recruited participants, conducted tests, and edited research papers.
- Taught entry-level neuroscience concepts to student participants in Weston Science Scholars High School program, managed research activities and co-wrote final scientific presentations.

## Personal and Academic Projects

### Analysis of Air Quality Data, Environmental Sensors Lab, Northeastern University

September 2022 - PRESENT

- Worked with air quality data collected from 10+ low-cost sensors around Boston
- Analyzed, displayed, corrected for error, and interpreted this data for sensor calibration and informatics using Python visualization and machine learning.

### Neuroimaging Research and Presentation, Cognitive Neuroimaging Lab, Montclair, NJ

June 2019 - August 2021

- Published neuroimaging research on perspective taking and Theory of Mind.
- Presented a poster about freewill and Theory of Mind at the Eastern Psychological Association.

## Extracurricular Involvement:

### Sigma Xi Research Society

Chair for Public Relations

Associate Member

### Northeastern Student

### Gardening Club

President

## Relevant Skills:

Python

Java

SQL

HTML

CSS

ArcGIS

Hardware repair experience

Lab Safety Certification

Academic writing

## Relevant Courses:

Geographic Information Systems

Algorithms & Data Structures

Computer Sci. Independent Research

Landscape and Restoration Ecology

Object Oriented Design



