

Evan Zangakis

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Education

Temple University, College of Science and Technology | Philadelphia, Pennsylvania

- Bachelor of Science in Physics | Expected Graduation: May 2020
- Minor in Computer Science
- University Honors Program | GPA 3.79

Technical Skill

- JavaScript, PHP, MySQL, Python, HTML, R
- Google Earth Engine and statistical analyses of spatial-temporal raster data
- Linux bash shell commands

Projects

Web Developer, Apartment Warriors

November 2018 – Current

- Develop PHP, JavaScript, and HTML framework for the Apartment Warriors website.
- Create and implement search engine solutions for housing violations in Philadelphia, Pennsylvania.

Project Contributions

- <https://github.com/ieco-lab/ecoEE>
- Ecologically relevant methods for Google Earth Engine.

Relevant Experience

Research Assistant, Temple University

June 2018 – Current

Department of Biology

Integrative Ecology Lab

Advisor: Dr. Matthew Helmus

Risk of spread of the *Lycorma delicatula*

- Analyze spatial-temporal satellite data to risk-map the spread of the invasive *Lycorma delicatula* (Spotted Lanternfly).
- Gather web data through autonomous python scripts to generate extensive location databases of areas of risk.
- Develop an interactive web application of location databases for the Pennsylvania State Dep. of Agriculture.
- Create example Google Earth Engine code for ecology paper co-authored with Dr. Helmus.

Additional Experience

Teaching Assistant, Temple University

January 2019 – Current

- Lead a weekly recitation and distribute exams for a course in discrete mathematics.
- Engage with struggling students in a comfortable one-on-one environment during weekly office hours.

STEM Tutor, Student Success Center, Temple University

January 2018 – May 2018

- Guide fellow students in physics and mathematics concepts and material.
- Mentored students in learning good study habits and note-taking abilities.

Affiliations

Phi Sigma Pi National Honors Fraternity

October 2018 – Current