

Background

Unidata AWIPS supports two visualization frameworks for rendering meteorological and geographic data: CAVE, a graphical user interface (GUI) application and Python-AWIPS, a programmatic application programming interface (API) for EDEX. Users can learn about each through multiple educational resources, some of which include:

- AWIPS Tips provides topical updates and tutorials
- Learn AWIPS CAVE is an elearning course
- Jupyter Notebook examples for Python-AWIPS

This summer I contributed to each of these resources while gaining foundational technical and instructional skills.

Motivation

To transform the geosciences community, research, and education by providing innovative data services and tools - Unidata Mission

- Educational resources for these visualization tools can lower barriers to using software tools
- Targeted tips and tutorials increase access to and awareness of informative ways of using data
- Serving our University community with better instructing on CAVE and Python-AWIPS

Community Outreach

What resource is needed next? Who needs this information the most?

- Evaluation Meeting with Texas A&M Professors
- Email Interviews with University Professors and Professional Users

Foundational Skills

- Project Pythia Tutorials on Python, Jupyter, and Git
- Providing user feedback on Learn AWIPS CAVE course
- Communication with Subject Matter Experts (SME)
- Submitting pull requests to Unidata/python-awips

Online

Learn, Design, Develop: My summer with Unidata AWIPS

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- of tool in geosciences.







