

SPACE PHYSICS AND ASTROPHYSICS JOINT SEMINAR**The Trials and Tribulations of Software Development in Astronomy:
Where are we and where can we go from here?**

With the ever-growing role of software development and computer programming in astronomical research, our community is faced with many new challenges in nearly every aspect of our profession. In this talk, I first will describe the various types of software and the many different roles it plays in the research cycle. I will discuss the need for software computing education to both maintain the rigor of our scientific results and to strive towards an equitable profession. I will briefly describe what I see as the highest priority computing skills and topics. Throughout the talk, I will highlight tactics which individual researchers and teams can use to adapt to the rapidly changing landscape. I will also describe actions which could be taken to influence the prevailing culture to further recognize and value software development as a fundamental and crucial aspect of the entire astronomical research process.

**Monday, April 10th**

3:30 - 4:30 p.m.

CAS 502

Kelle Cruz

CUNY Hunter