Enthusiastic undergraduates often want to make a research contribution to their field, but until recently in Classics this was difficult to arrange. This paper presents four existing projects where undergraduate researchers can right now add to our understanding of the ancient world. While reading an ancient author, they can encode their class’ consensus on grammar and syntax using the Alpheios treebanking tool. As early as the first weeks of a course in ancient Greek, they can correct digitized Greek with the Lace editing environment. Archaeologically inclined students can transcribe unread lead tags from Roman Siscia, available from the Zagreb Archaeological Museum. Finally, we will look at the Homer Multitext Project, where undergraduates do minute study of highly detailed and complicated ancient manuscripts.