

1128-97-350

**Jonas D'Andrea\*** (jdandrea@westminstercollege.edu). *Choose your own adventure*. Preliminary report.

Extended student projects from a topics in applied mathematics course on signal processing will be discussed. After learning some basic ideas from Fourier analysis and wavelet theory, students were given four to five weeks (out of a 15 week semester) to explore topics of their choice using primary sources. More time than originally planned, it actually allowed for greater student ownership and exploration of *their* topic than expected. And was closer to a summer research experience for most students than the experience that a typical semester project usually affords. (Received February 28, 2017)