We present here a software developed for the analysis of observations from the Holomon Astronomical station. HOPS (HOLomon Photometric Software) is a python-based package which includes a user interface and it is compatible with Linux, OS X and Windows. It is open-source (https://github.com/atsiaras/hops) and it is designed to analyse data from small and medium class telescopes. The basic features included, are: a) reduction, which includes the calculation of master bias/dark/flat frames and the correction of the scientific frames, b) frame selection, which provides interactive graphs for selecting the damaged images, c) alignment, an automatic detection of star patterns in the field of view, despite large shifts or meridian flips, d) photometry, which includes an interactive window for selecting the target and comparison stars and extracts the light-curves using both aperture and PSF photometry, e) transit fitting, which provides the fitting of the transit model on the relative light-curve using mcmc sampling. HOPS makes use of the python package PyLightcurve which is completely developed in Python and provides routines for: a) finding planetary parameters from the open exoplanet catalogue, b) calculating limb darkening coefficients, c) calculating the planetary orbit, d) calculating the transit light-curve model using numerical integration. The PyLightcurve package can be found on github: https://github.com/ucl-exoplanets/pylightcurve.