

Hello! My name is Matthew and I am currently an HPC Applications Engineer for AstraZeneca I am the creator and primary maintainer of the shapelets Python library, developed during my Master's degree, which contains implementations of various shapelet functions, with two primary applications in astronomy and (nano)material characterisation (i.e. from microscopy imaging).

My background is in Nanotechnology Engineering and scientific computing. I am currently a HPC Applications Engineer for (AstraZeneca).

Publications: - Tino et al., (2024). "Shapelet-based orientation and defect identification method for nanostructured surface imaging". *Nanotechnology*, 35(16), 165705, <https://doi.org/10.1088/1361-6528/ad1df4>.
- Tino et al., (2024). "Shapelets: A Python package implementing shapelet functions and their applications". *Journal of Open Source Software*, 9(95), 6058, <https://doi.org/10.21105/joss.06058>.

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